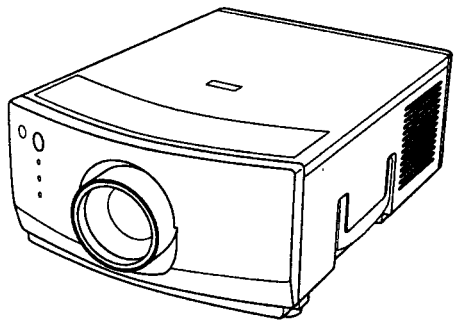
SHARP SERVICE MANUAL
SERVICE-ANLEITUNG
维修手册

S87C7XG-SV1E/



PAL/SECAM/NTSC SYSTEM
LCD PROJECTOR
LCD PROJEKTOR
液晶投影机

MODEL
MODELL
型号 **XG-SV1E**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

为了用户安全起见(根据一些国家的安全规程的需要)，应将液晶投影机保持于最初的状态，而且只能使用与指定物相同的部件。

SHARP CORPORATION

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NOTE TO SERVICE PERSONNEL

UV-RADIATION PRECAUTION

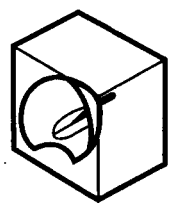
The light source, metal halide lamp, in the LCD projector emits small amounts of UV-Radiation.

AVOID DIRECT EYE AND SKIN EXPOSURE.

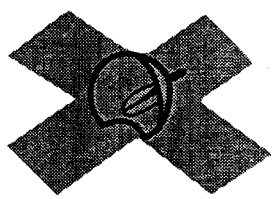
To ensure safety please adhere to the following:

1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.

2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



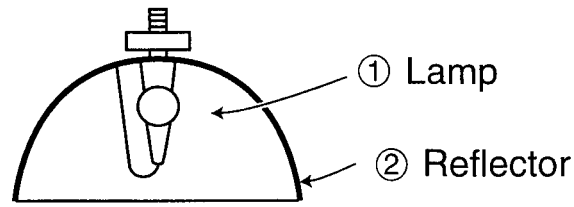
UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type CLMPF0046DE01 rated 63V/370W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.)
Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.
[Use original replacement only.]



After the lamp has been replaced, hold down the three keys (ENTER, ADJ. ▶ (right) and ADJ. ▼ (down)) on the unit and turn on the main power switch (above the AC inlet).

DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposurem (Fig. 1).

Note: Please obtain a lens cap before servicing a models XG-SV1E that is received without one.

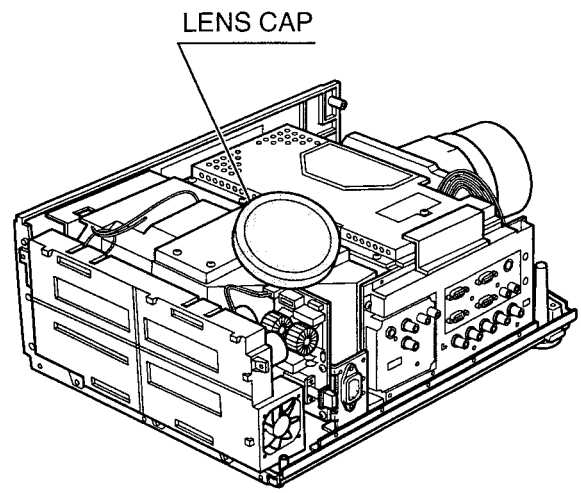


Figure 1.

Specifications

Product Type	LCD Projector
Model	XG-SV1E
* Video system	PAL/SECAM/NTSC 3.58
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 1.3" (19.8 [H] × 26.4 [W] mm) Display method: Translucent TN liquid crystal panel Drive method: TFT (Thin Film Transistor) Active Matrix panel No. of dots: 519,168 dots (832 [H] × 624 [V])
Lens	1-1.6 zoom lens F2.5 to 3.2, f = 48 to 76 mm
Projection lamp	370 W Metal halide
Contrast ratio	100:1
*Video input signal	BNC Connector: VIDEO, composite video, 1 Vp-p, sync negative, 75 Ω terminated RCA Connector: AUDIO, 0.5 Vrms more than 22 kΩ (stereo)
*S-video input signal	4-pin mini DIN connector Y (luminance signal): 1 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
*Video (monitor) output signal	BNC Connector: VIDEO, composite video, 1Vp-p, sync negative, 75 Ω terminated RCA Connector: AUDIO, 0.5 Vrms more than 2.2 kΩ (stereo)
*Horizontal resolution	580 TV lines (video input)
Audio output	3 W + 3 W (stereo)
Computer RGB input signal	Video Signal: 15-pin mini D-sub connector (RGB 1), BNC connector (RGB 2): RGB separate type analog input: 0-0.7 Vp-p, positive, 75 Ω terminated Stereo Minijack: AUDIO, 0.5 Vrms, more than 22 kΩ (stereo) Horizontal sync. signal: TTL level (positive/negative) or composite sync (Apple only) Vertical sync. signal: Same as above
RS-232C input terminal	9-pin D-sub male connector for controlling personal computer
Mouse input terminal (for IBM/Mac)	9-pin D-sub female connector for wireless mouse
Mouse input terminal (for PC98)	9-pin mini DIN connector for wireless mouse
Speaker system	3" (8 cm) round × 2
Rated voltage	AC 200 V - 240 V
Rated frequency	60/50 Hz
Power consumption	520 W
Operating temperature	5°C to 40°C
Storage temperature	–20°C to 60°C
Cabinet	Plastic
I/R Carrier frequency	40 kHz
Laser Pointer of Remote Control	Wave length : 670 nm Max. output : 1 mW Class II Laser Product
Dimensions (W × D × H)	359 × 528 × 195 mm projector only 444 × 528 × 195 mm incl. terminal cover
Weight	14.6 kg projector only 14.8 kg incl. terminal cover
Supplied accessories	Remote control unit, Four AA batteries, Extra air filter, RGB signal cable (3 m), Macintosh adaptor, Two BNC/RCA adaptors, Mouse control cable for IBM PS/2 (15 cm), Mouse control cable for Mac (15 cm), Mouse control cable (3 m), AC cord, Terminal cover, Lens cover (installed)
Replacement parts	Remote control (RRMCG1357CESA), Air filter (PFILD0055CEZZ), RGB signal cable (QCNW-4422CEZZ), Macintosh adaptor (QPLGJ1511CEZZ), Mouse control cable for IBM PS/2 (QCNW-4754CEZZ), Mouse control cable for Mac (QCNW-4755CEZZ), Mouse control cable (QCNW-4620CEZZ), AC cord

Note: *(only for Australia/Newzealand)

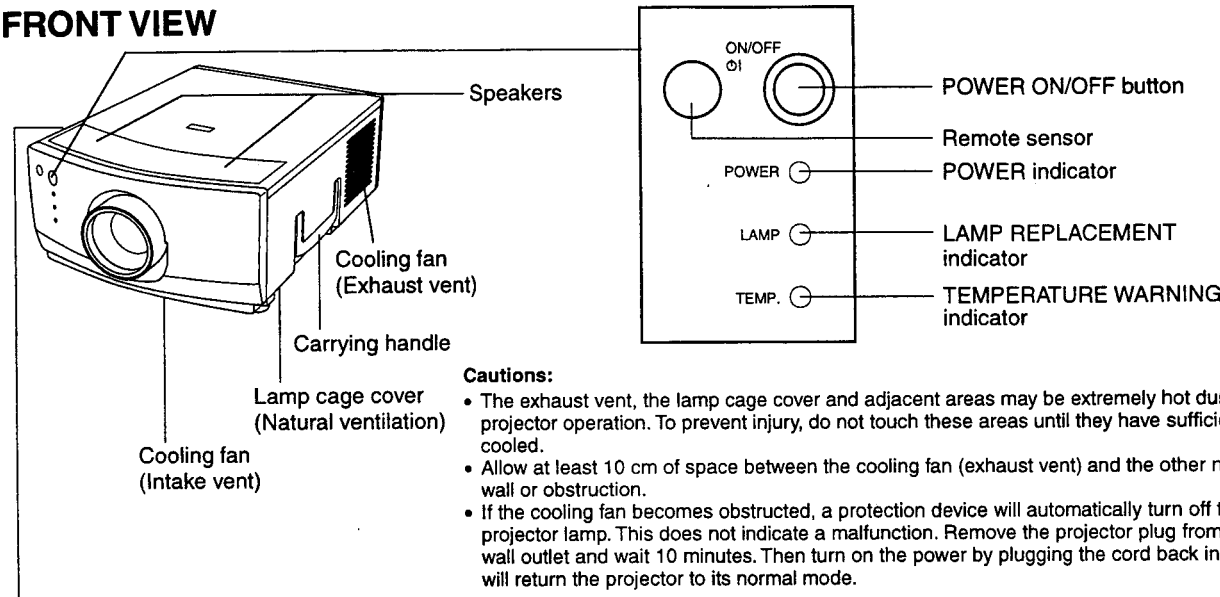
Our projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 519,168 pixels (× RGB) TFTs (Thin Film Transistors).
As with any high technology electronic equipment such as large screen TVs, video systems and/or video cameras, there are certain acceptable tolerances that the equipment must conform to.

Sharp's acceptable tolerances permit a total of 6 inactive TFTs, which may result in illuminated or inactive dots on the picture screen.
This will not affect the picture quality or the life expectancy of the unit.

Specifications are subject to change without notice.

Location of Controls

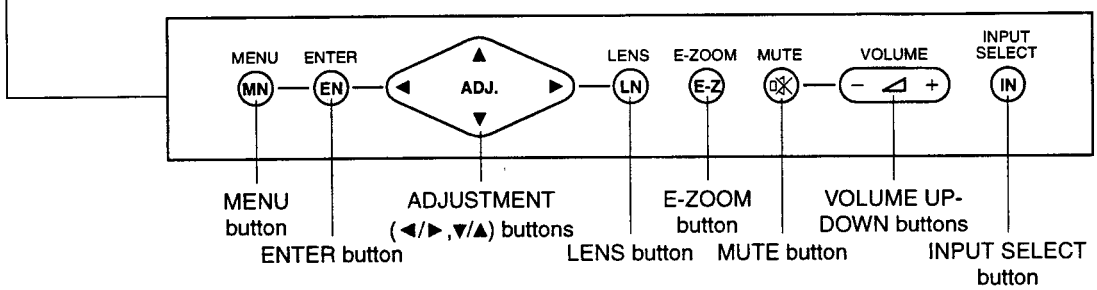
FRONT VIEW



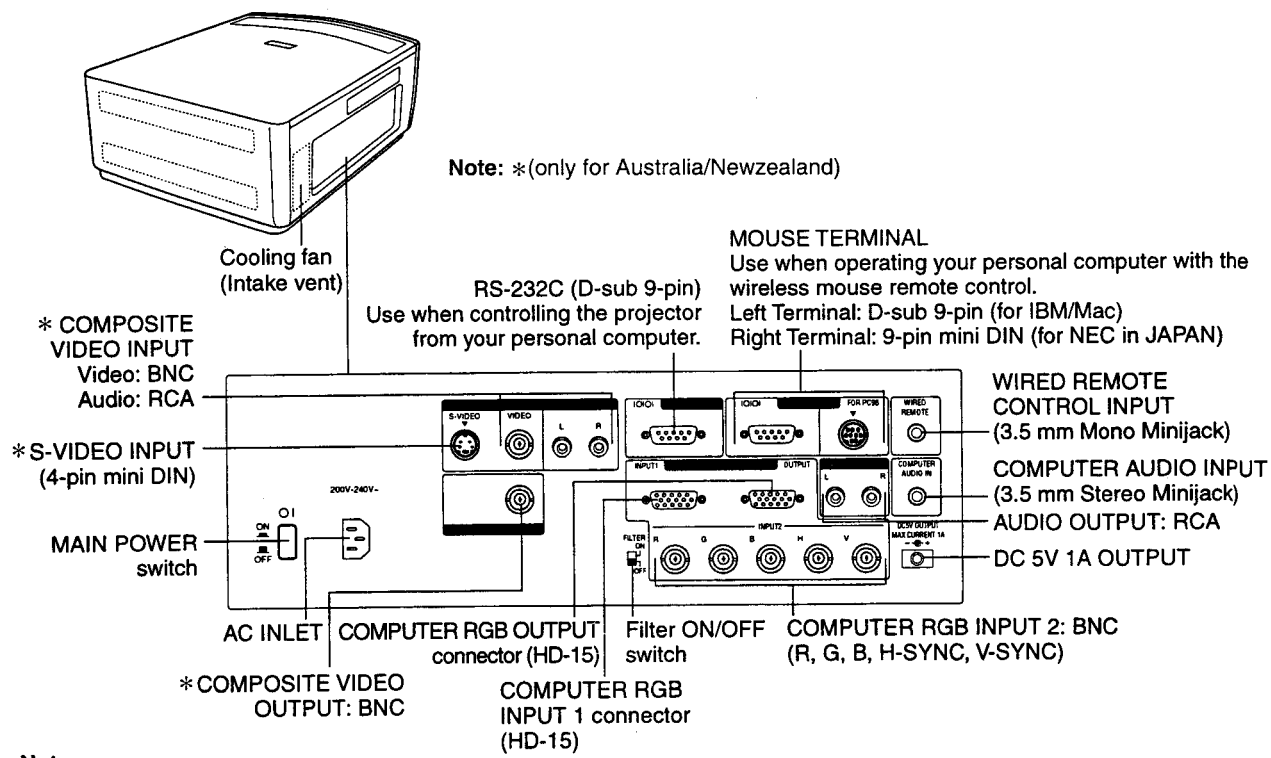
Cautions:

- The exhaust vent, the lamp cage cover and adjacent areas may be extremely hot during projector operation. To prevent injury, do not touch these areas until they have sufficiently cooled.
- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the other nearest wall or obstruction.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector plug from the wall outlet and wait 10 minutes. Then turn on the power by plugging the cord back in. This will return the projector to its normal mode.

OPERATION PANEL ON SIDE OF PROJECTOR



SIDE AND REAR VIEW



Note:

- The DC 5V OUTPUT jack cannot supply a current of more than 1A.

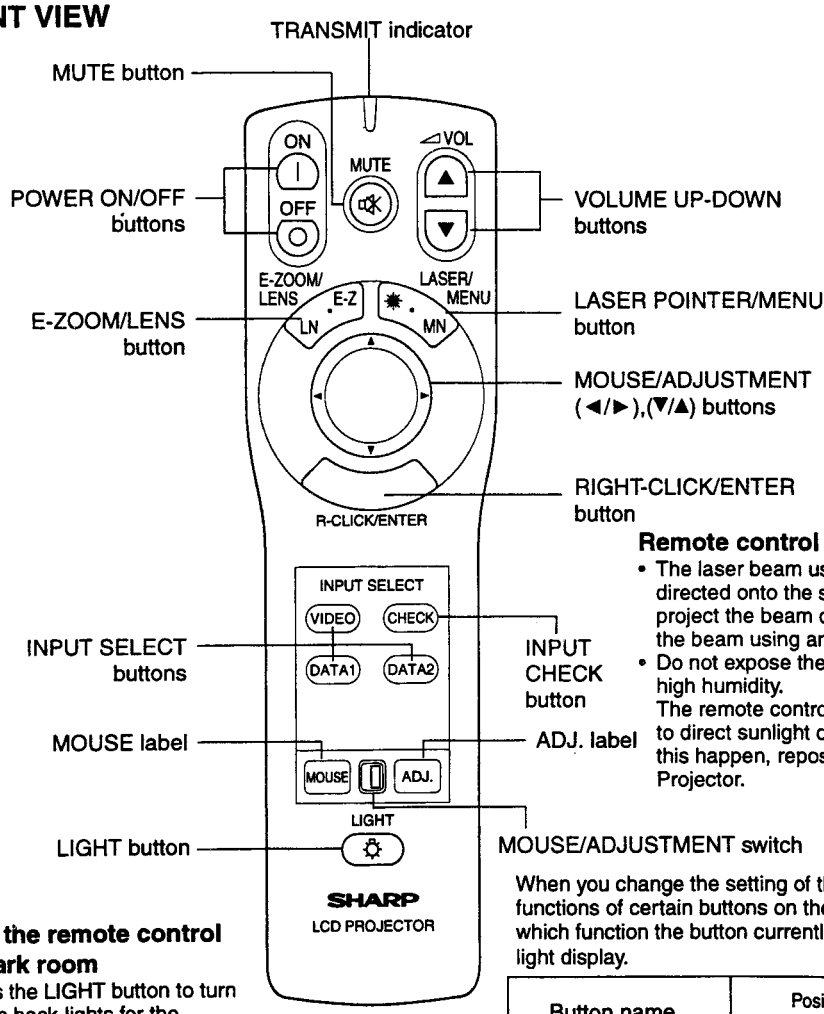
Operating the Wireless Mouse Remote Control

The functions of your personal computer's mouse have been built into the remote control enabling you to operate your projector and personal computer with only the remote control.

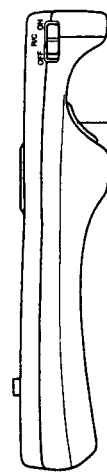
1. Slide the MAIN POWER switch on the side of the unit on.
2. Press the POWER ON button on the front panel of the remote control to turn the projector power on.
3. When using the remote control as a wireless mouse, move the MOUSE/ADJUSTMENT sliding switch to the MOUSE position. When using the remote control to operate the projector, move the MOUSE/ADJUSTMENT sliding switch to the ADJ. position. To activate the remote control key back-light feature, press the LIGHT button on the remote control. The colours of the buttons will change as shown in the table at the bottom of this page.

Wireless Mouse Remote Control

FRONT VIEW



SIDE VIEW



Remote control handling precautions

- The laser beam used in this product is harmless when directed onto the skin, however please be careful not to project the beam directly into the eyes. Do not stare into the beam using an optical instrument.
- Do not expose the remote control to shocks, liquids or high humidity.
  The remote control may not operate normally if exposed to direct sunlight or other intense light sources. Should this happen, reposition the light source or the LCD Projector.

Using the remote control in a dark room

- Press the LIGHT button to turn on the back-lights for the operation buttons for about 10 seconds. The back-light colours are explained in the table to the right.

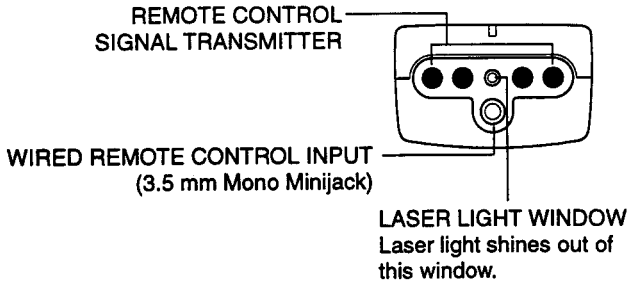
Note:

- If the MAIN POWER switch on the remote control is left on for more than 10 minutes without operation, the power will automatically turn off. To turn the power back on, press any button on the remote control for at least one second.

When you change the setting of the MOUSE/ADJUSTMENT switch, the functions of certain buttons on the remote control change. You can tell which function the button currently possesses by the colour of its back-light display.

Button name	Position of MOUSE/ADJUSTMENT Switch	
	MOUSE	ADJ.
LASER POINTER/MENU	LASER POINTER (GREEN)	MENU (RED)
RIGHT-CLICK/ENTER	RIGHT-CLICK (GREEN)	ENTER (RED)
MOUSE/ADJUSTMENT	MOUSE (NOT LIT)	ADJ. ◄/►, ▼/▲ (NOT LIT)
LEFT-CLICK	ON (NOT LIT)	—
E-ZOOM/LENS	E-ZOOM (GREEN)	LENS (RED)
POWER ON/OFF	ON (RED)	
VOLUME UP-DOWN		
MUTE		
VIDEO		
DATA 1		
DATA 2		
INPUT CHECK		

TOP VIEW



Using the optional cable with the remote control

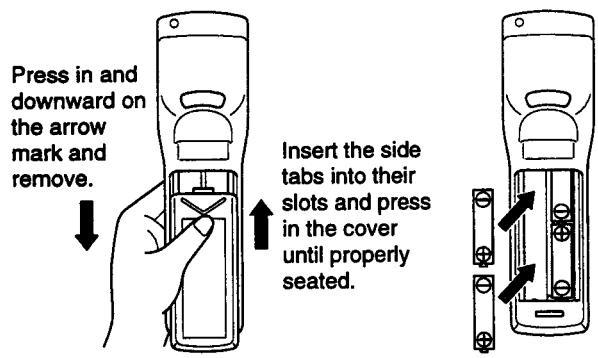
- When the remote control cannot be used due to the range or positioning of the projector (rear projection, etc.), connect the optional cable from the Wired Remote Control Input jack on the remote control to the Wired Remote Input on the side of the projector.

Note:

- The signal transmitter does not function when the optional cable is connected to the remote control.

The laser pointer on the remote control emits a laser beam from the laser light window shown in the figure to the left. The laser emitted is a class II laser; therefore, do not look into the laser window or shine the laser beam on yourself or other people. The two marks to the left are the caution labels for the laser beam.
Always use the laser pointer at temperatures between 5°C and 40°C.

REAR VIEW



Inserting the Batteries

Remove the battery cover as shown and insert four AA size batteries making sure their polarities match the (+) and (–) marks inside the battery compartment.

Notes:

Incorrect use of batteries may cause them to leak or burst.

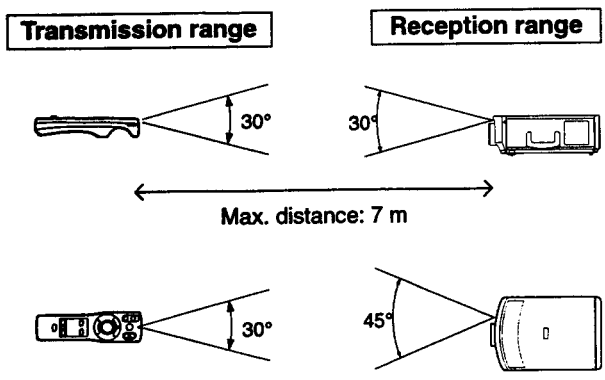
- Insert the batteries with the (+) and (–) polarities as indicated.
- Remove the batteries if the remote control will not be operated for an extended period of time.
- Maintain the batteries in a clean condition.
- Do not mix different brands of batteries. The life expectancy of the new batteries will be shortened and the old batteries may leak.
- When the batteries have been used up, remove them immediately to prevent leakage and damage. Leaked battery fluid may irritate the skin. Remove any battery fluid by wiping with a cloth.
- Due to storage conditions and the shelf life of the supplied batteries, they may run out after a short time. If so, replace them with new batteries as soon as possible.

Remote control positioning

Use the remote control as shown in the figures on the left.

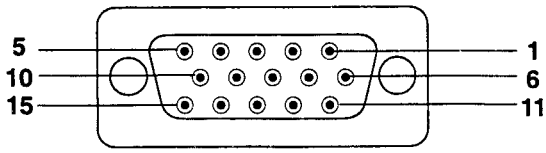
Note:

- The signal from the remote control can be reflected off the screen for easy operation. However, the effective distance of the signal may differ due to the screen material.



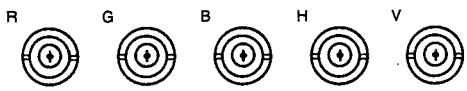
Connection Pin Assignments

Analog RGB 1 Signal Input and Analog RGB 1 and 2 Output Terminal : 15-pin mini D-sub female connector



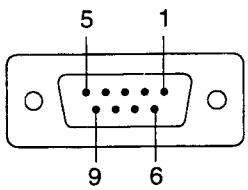
Computer Input
Analog
1. Video input (red)
2. Video input (green)
3. Video input (blue)
4. Reserve input 1
5. Composite sync (Mac only)
6. Earth (red)
7. Earth (green)
8. Earth (blue)
9. NC
10. GND
11. GND
12. Reserve input 2
13. Horizontal sync signal
14. Vertical sync signal
15. Reserve input 3

Analog RGB 2 Signal Input : 5 BNC



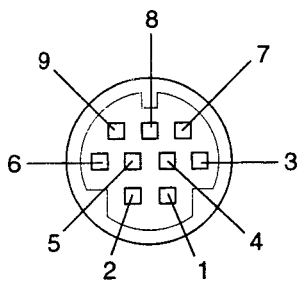
Computer Input
Analog
R Video input (red)
G Video input (green)
B Video input (blue)
H Horizontal sync signal
V Vertical sync signal

Mouse Input Terminal (for IBM/Mac) : 9-pin D-sub female connector



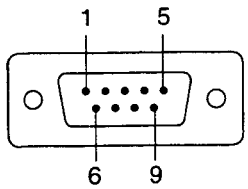
Pin No.	Signal	Name	I/O	Reference
1	CD	Carrier Detect	Input	Connected to internal circuit
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	ER	Equipment Ready	Output	Connected to internal circuit
5	SG	Signal Ground		Connected to internal circuit
6	DR	Data Set Ready	Output	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS	Clear to Send	Input	Connected to internal circuit
9	CI	Ring Indicator	Input	Connected to internal circuit

Mouse Input Terminal (for NEC PC98 series for Japan) : 9-pin mini DIN connector



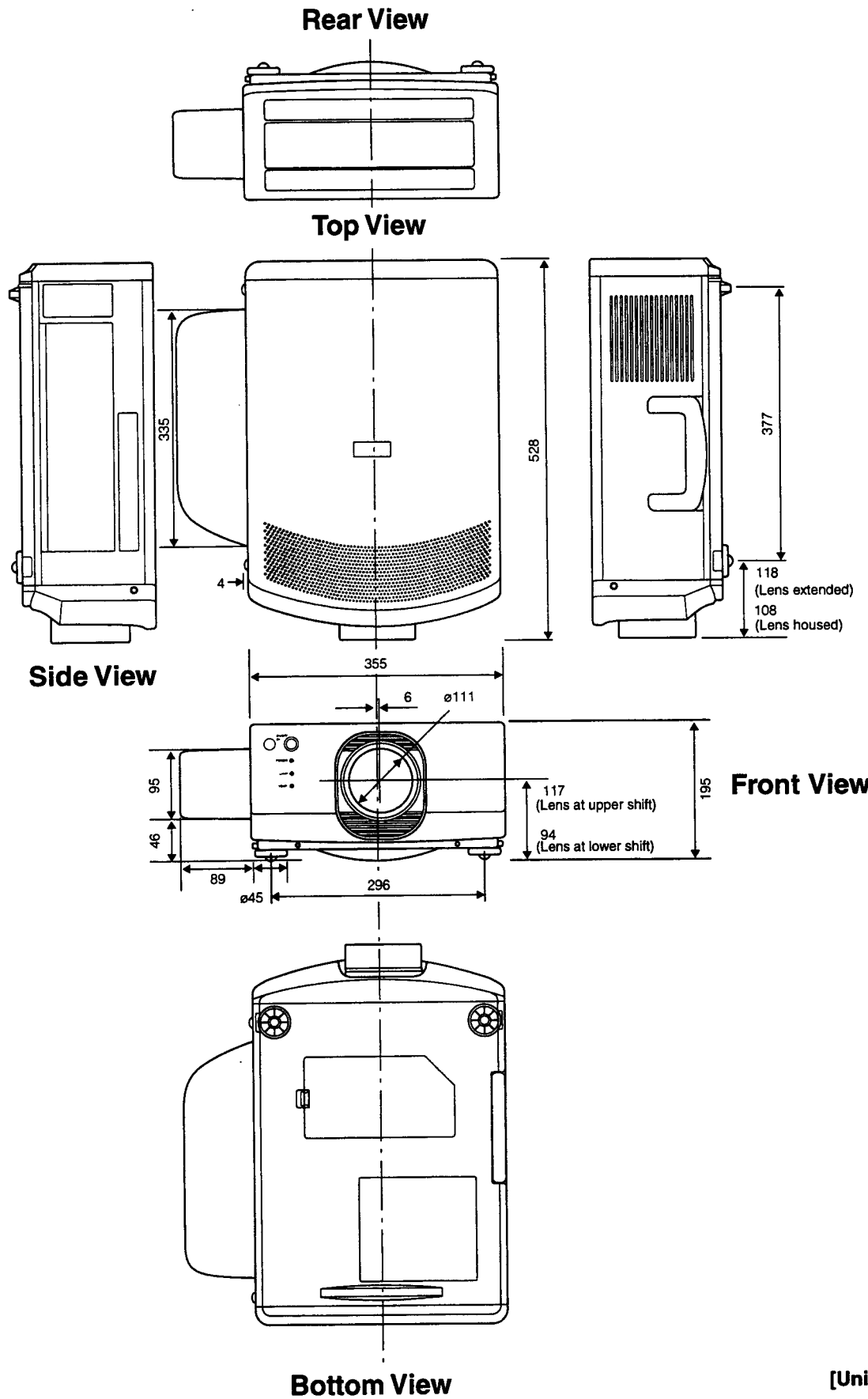
Pin No.	Signal	I/O	Reference
1	+5V	Input	Computer output
2	XA	Input	Computer output
3	XB	Input	Computer output
4	YA	Input	Computer output
5	YB	Input	Computer output
6	LEFT	Input	Computer output
7	NC	Input	Not connected
8	RIGHT	Input	Computer output
9	GND		Computer output

RS-232C terminal : 9-pin D-sub male connector



Pin No.	Signal	Name	I/O	Reference
1	CD			Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	ER			Not connected
5	SG	Signal Ground		Connected to internal circuit
6	DR	Data Set Ready	Output	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS			Not connected
9	CI			Not connected

Dimensions



[Units: mm]

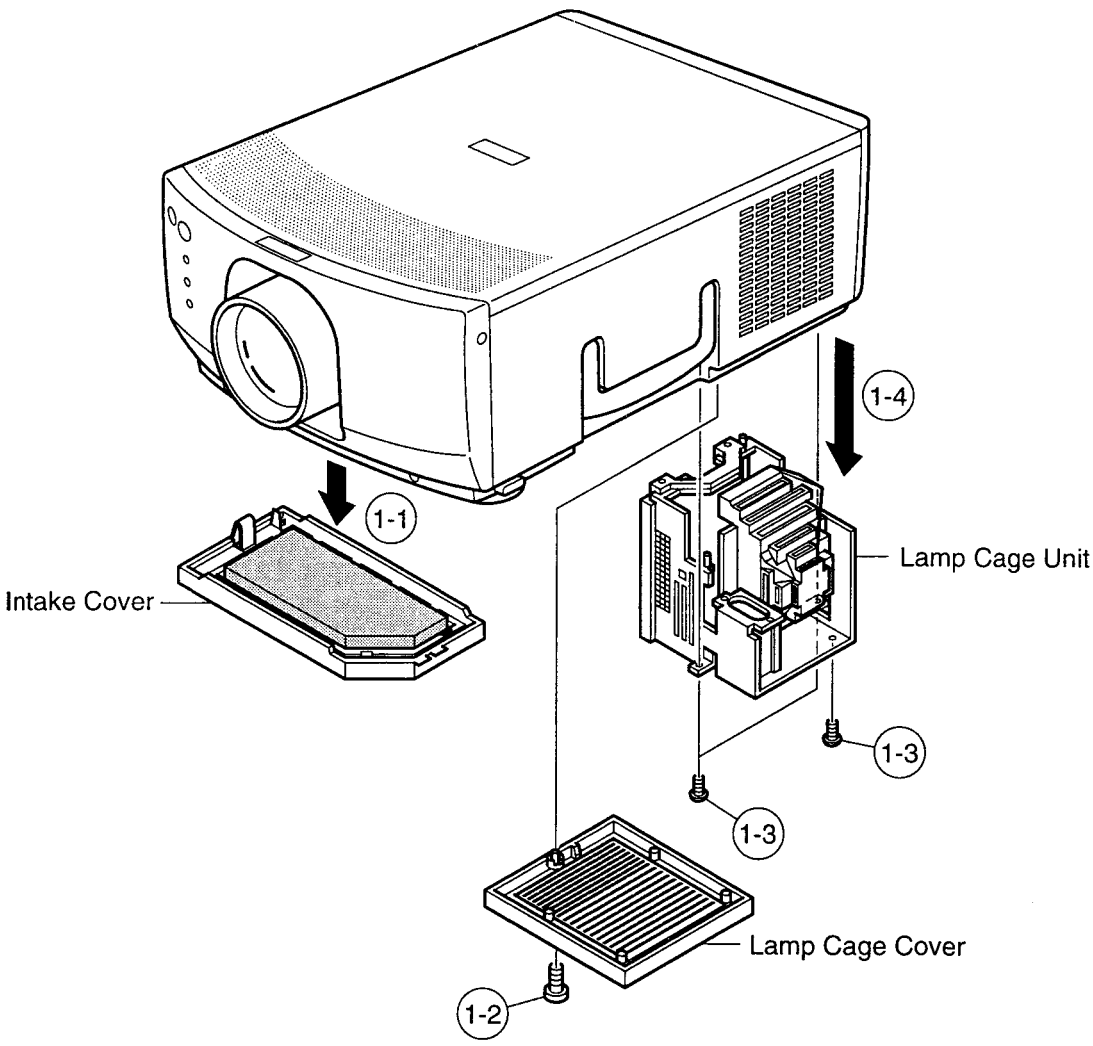
REMOVING OF MAJOR PARTS

1. Removing the Lamp cage unit and Intake cover

1-1. Remove the intake cover.
1-2. Remove the screws and detach the lamp cage cover.
1-3. Remove the three screws off the lamp cage unit.
1-4. Pull out the lamp cage unit.

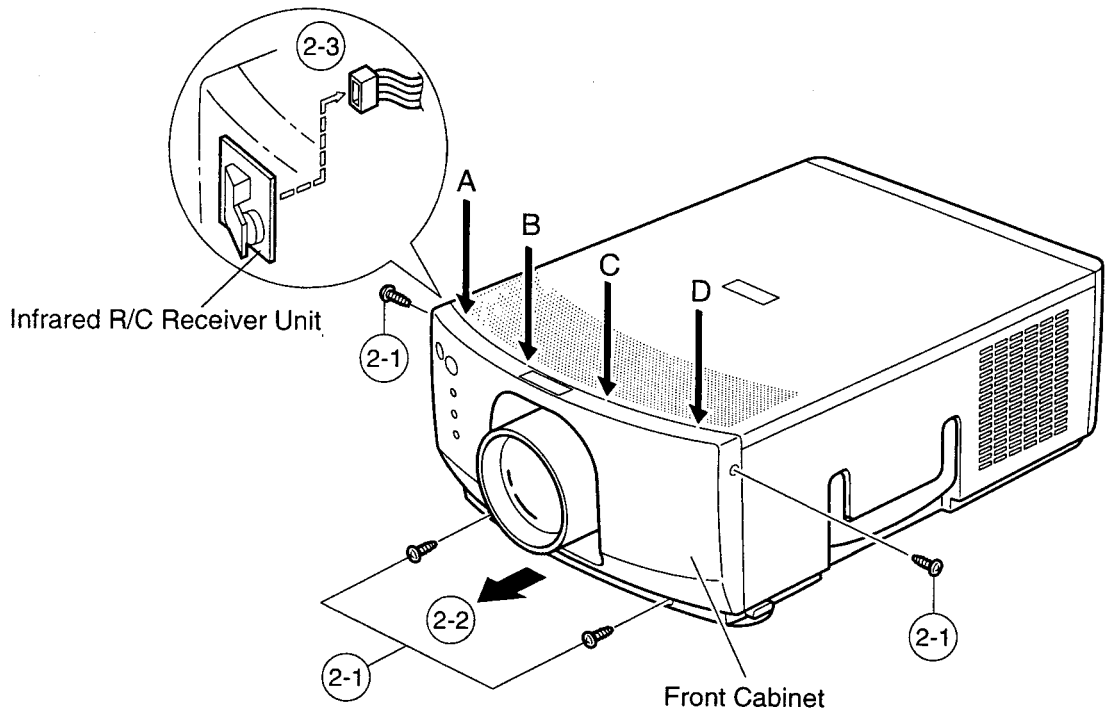
Notes:

- Before the replacement, turn off the projector's power button, make sure the cooling fan comes to a complete stop, and unplug the power cord.
- The lamp may be still very hot. Turn off the power button, unplug the power cord and wait for at least 1 hour before staring the job.
- In fitting the lamp cage unit back into position, make sure the connector is at the top position.



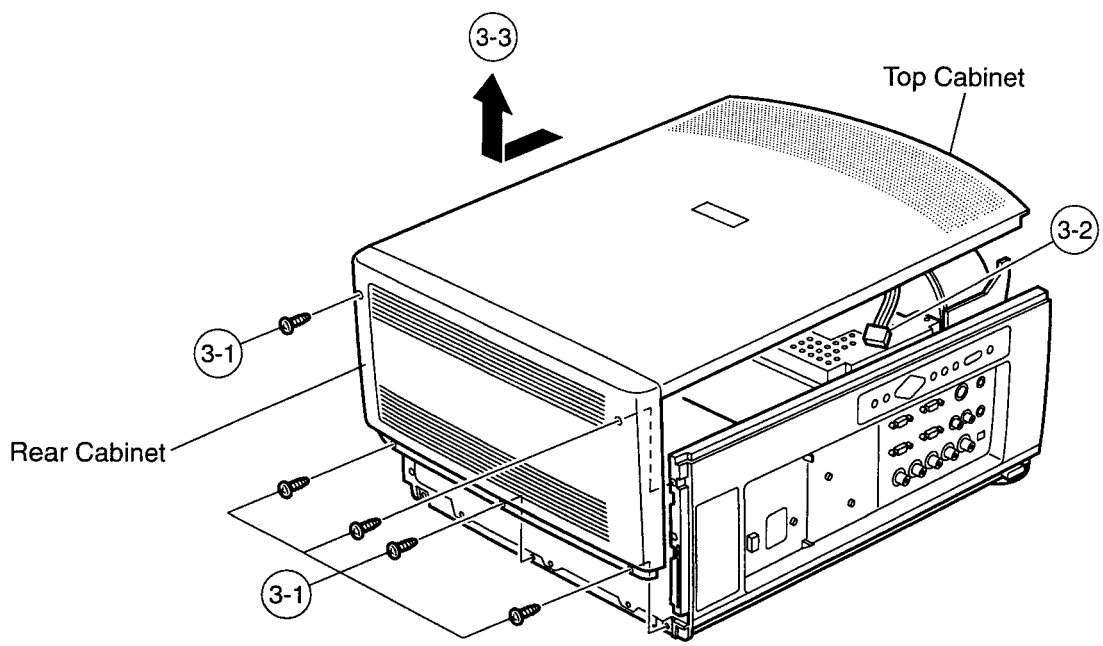
2. Removing the front cabinet

2-1. Remove the four right and left screws from the bottom of the front cabinet.
2-2. Gently press down on the hooks A, B, C and D of the top cabinet to unhook the front cabinet. Detach the front cabinet.
2-3. Disconnect the remote control connector.



3. Removing the top and rear cabinets

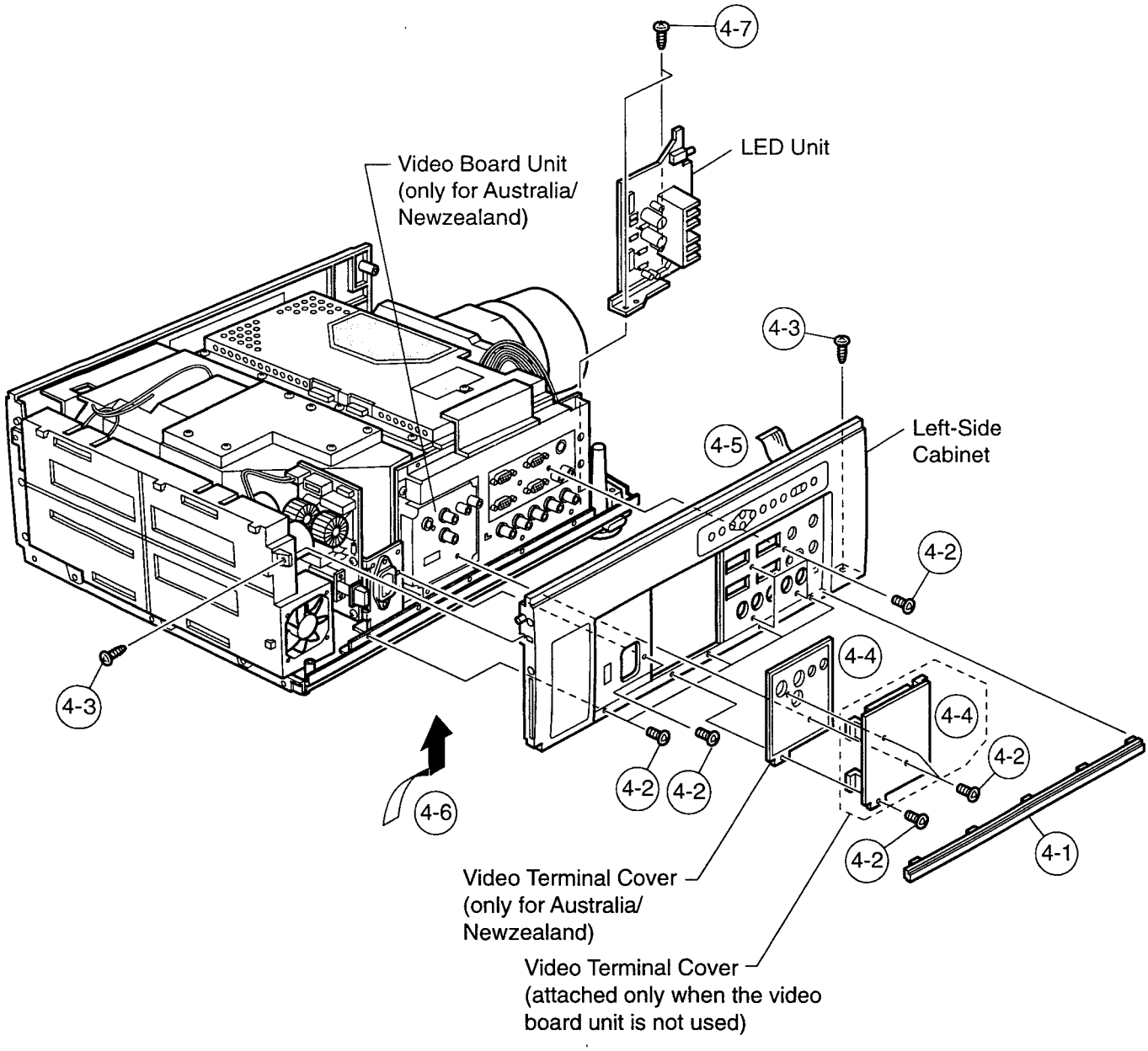
3-1. Remove the five screws from the top and bottom of the rear cabinet.
3-2. Disconnect the speaker connector.
3-3. Slide back the top cabinet to separate the top and rear cabinets.



4. Removing the left side cabinet

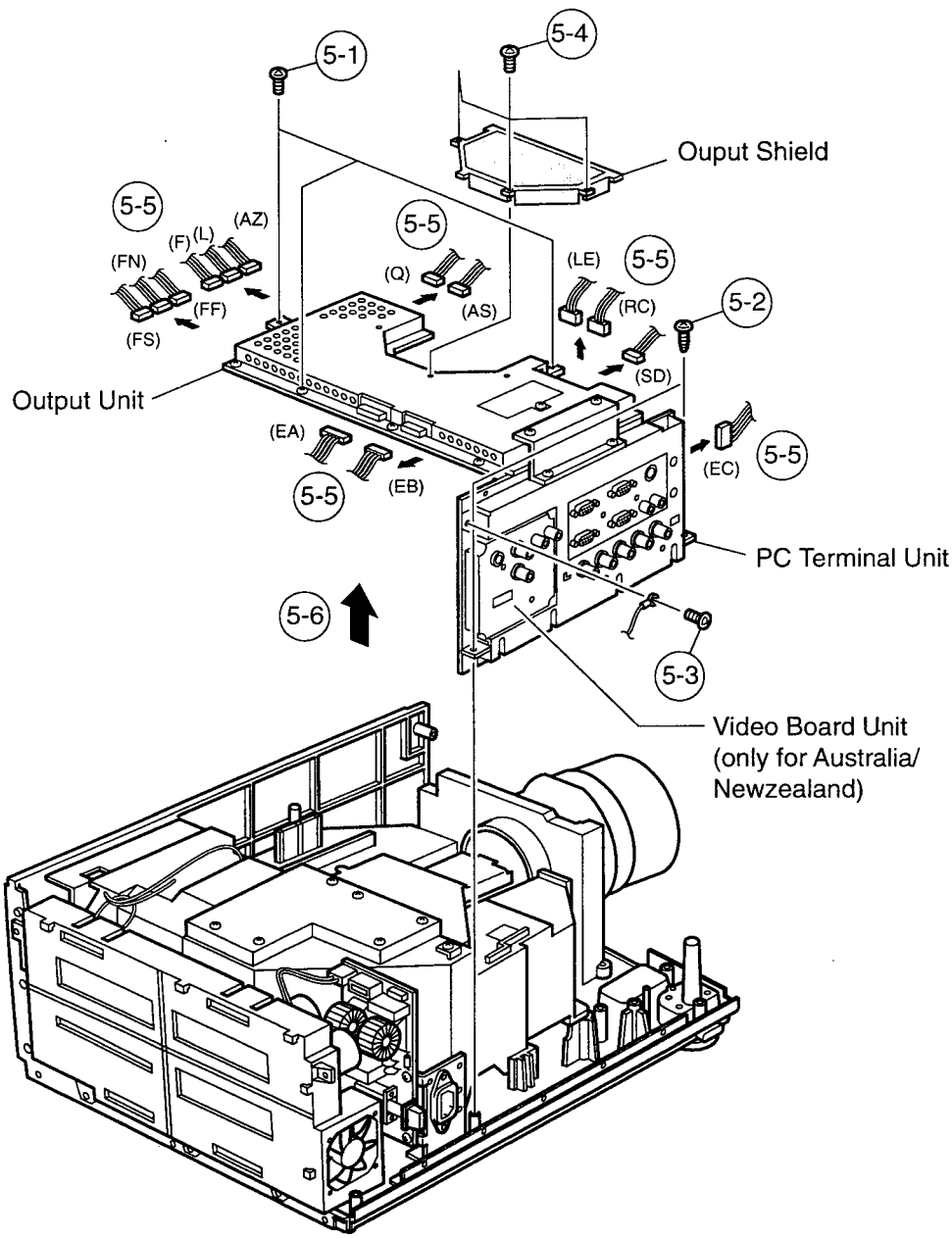
4-1. Put a bladed screwdriver in the rightmost hole of the screws cover. Pull and unlock the right end of the screws cover, and pull and detach the entire screws cover.
4-2. Remove the twelve side screws.
4-3. Remove the two screws off the side cabinet.
4-4. Disconnect the video terminal cover.
4-5. Disconnect the membrane switch connector.
4-6. Pull down and detach the left side cabinet.
4-7. Remove the two screws off the LED PWB assembly.

Note: The LCD projectors for the Australian and NewZealand markets are standard equipped with the video board unit. But this unit is optionally available on those for other destinations.



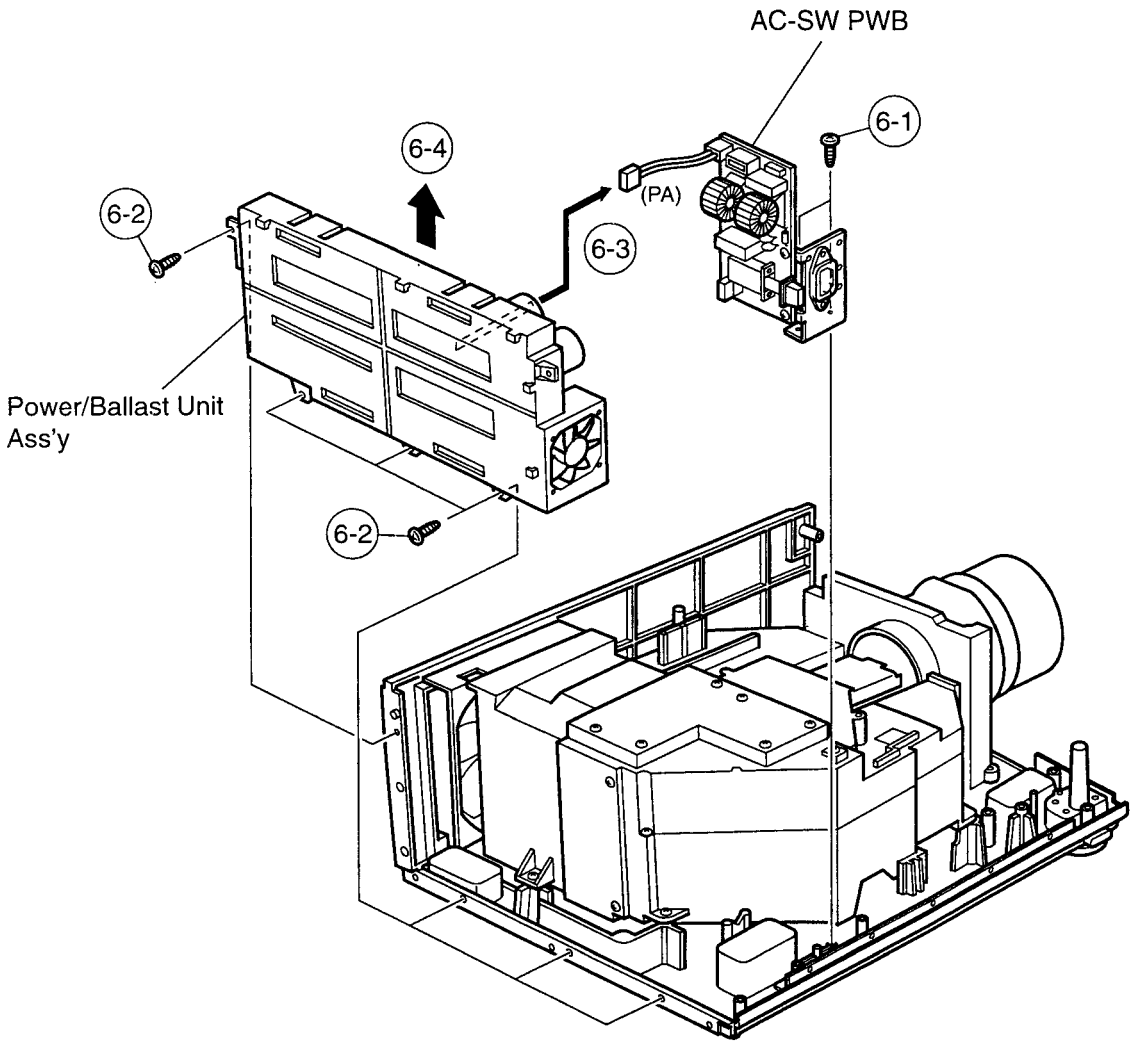
5. Disconnecting the signal and output PWBs

5-1. Remove the three screws off the optical mechanism assembly.
5-2. Remove the two screws off the bottom cabinet.
5-3. Remove the screw off the signal PWB assembly.
5-4. Remove the three screws off the output PWB assembly.
5-5. Disconnect the connectors of the signal PWB and output PWB assemblies.
5-6. Take up and away the PWB assemblies.



6. Removing the power supply and ballast PWBs

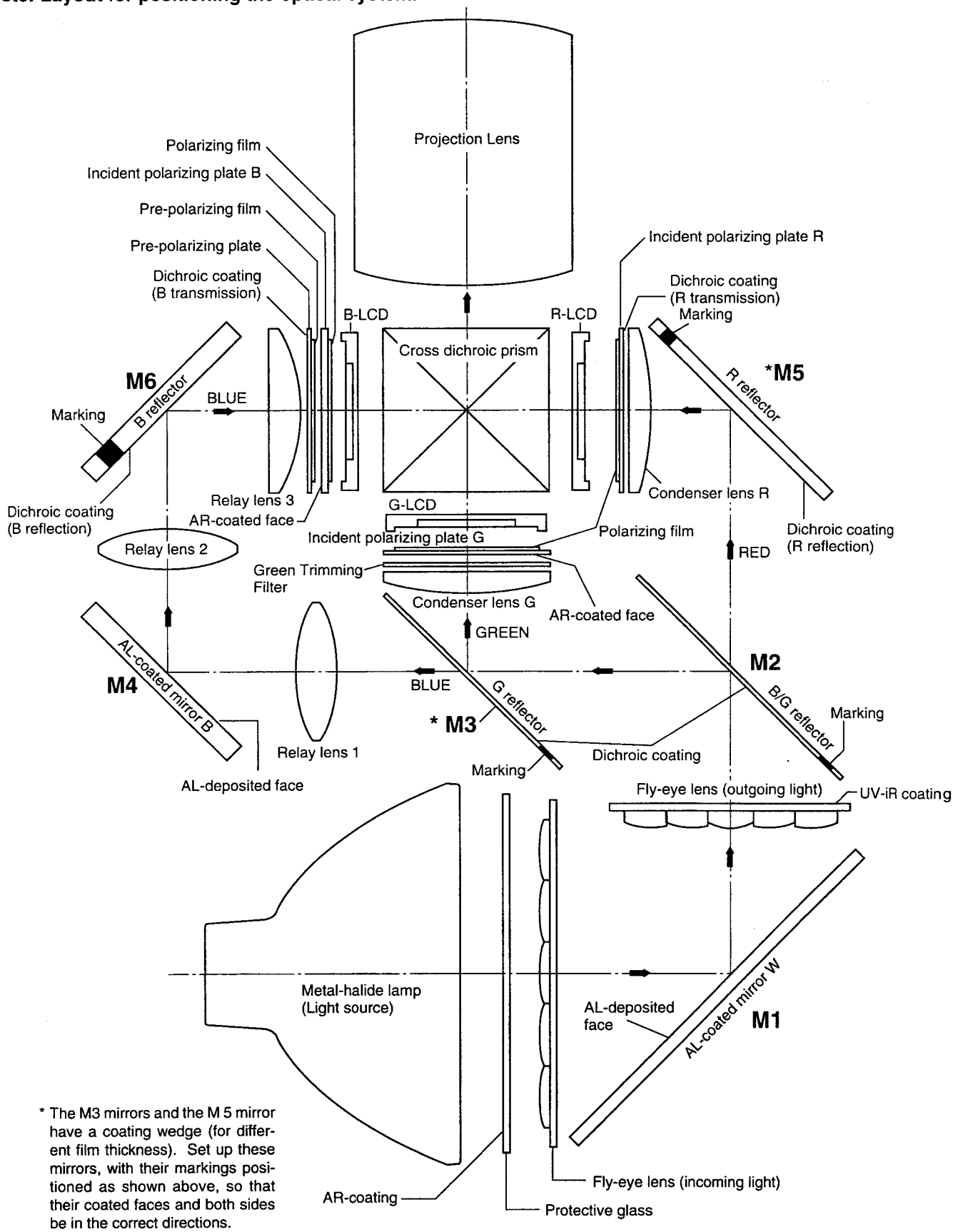
6-1. Remove the two screws off the AC/SW PWB on the bottom cabinet.
6-2. Remove the four screws off the power/ballast holder (located behind).
6-3. Disconnect the connectors.
6-4. Take up and away the PWBs.



THE OPTICAL UNIT OUTLINE

Layout of the optical system

Note: Layout for positioning the optical system.



* The M3 mirrors and the M 5 mirror have a coating wedge (for different film thickness). Set up these mirrors, with their markings positioned as shown above, so that their coated faces and both sides be in the correct directions.

CONVERGENCE AND FOCUS ADJUSTMENT

- **Start the convergence and focus adjustments with the front, top, rear, left cabinet and the signal shield removed but the power on. Use the remote control to adjust the image. Take the following procedures.**

1. Focusing the projection lens

(A) Replacing all the 3 LCD panels

1. Before replacing all the 3 LCD panels, project an image on the screen and bring it into focus.
2. Replace the panels with new ones. But until the focus has been completely readjusted, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.

(If the focus is readjusted with a different positional relation, the relation between the projection distance and the screen size is affected. In other words, a short-distance image (40 WIDE, for example) may get out of the focus range, or a long-distance image (300 WIDE, for example) may come out of focus.)

(B) Replacing 1 or 2 of the 3 LCD panels

1. In adjusting the focus after replacement of one or two LCD panels, project an image on the screen and turn the projection lens focus ring to get the non-replaced LCD panel into focus.
2. But until the focus has been completely adjusted for the new LCD panels, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.
   (If the distance has been changed or the projection lens readjusted, repeat the above steps 1 and 2.)

2. Adjusting the G-LCD panel

(A) Focus adjustment. (Make this adjustment on the white-only screen.)

1. Right-and-left focus adjustment (θY direction) .
   Loosen the lock screws "b" and "c" and insert the eccentric screwdriver into the notch and hole "b" or "c". Turn the screwdriver until the right and left halves on the screen get into focus.

(First get the right and left halves in balance. Then improve the accuracy while making the adjustment 2 below.)

2. Top-center-bottom focus adjustment (θX and Z directions).
   Loosen the lock screws "a" and "b" and insert the eccentric screwdriver into the notch and hole "a". Turn the screwdriver until the top, center and bottom on the screen get into focus. In adjusting this top-to-bottom focus, temporarily tighten the lock screw "c" to fix the θY direction adjustment.
3. Repeat the above steps 1 and 2 to finely adjust the focus. Finally tighten up all the lock screws.

Notes :

① Carefully proceed with the focus adjustment because the adjusting directions are correlated.
② In adjusting the convergence and focus, do not move the projection lens zoom and focus rings until the end of all the adjustments.

(B) Convergence adjustment

- The G-LCD panel has no convergence adjustment mechanism. Use this panel as convergence adjustment reference.

3. B-LCD panel adjustment (the same for the R-LCD panel)

(A) Focus adjustment

- Take the same procedure as for the G-LCD panel focus adjustment. Note that the adjustment range is small in the Z direction. If the convergence is quite different between the B-LCD and G-LCD panels, roughly adjust the convergence first and then the focus.

(B) Convergence adjustment

- Use a crosshatch pattern signal for this adjustment.
  Make the adjustment just for the G-colour and the relevant colour.
  (1) Loosen the convergence lock screw "d".
  (2) With the G-LCD panel's screen center as reference, adjust the B-LCD panel in the X, Y and θZ directions.
  (3) Finally tighten up the convergence lock screw "d".

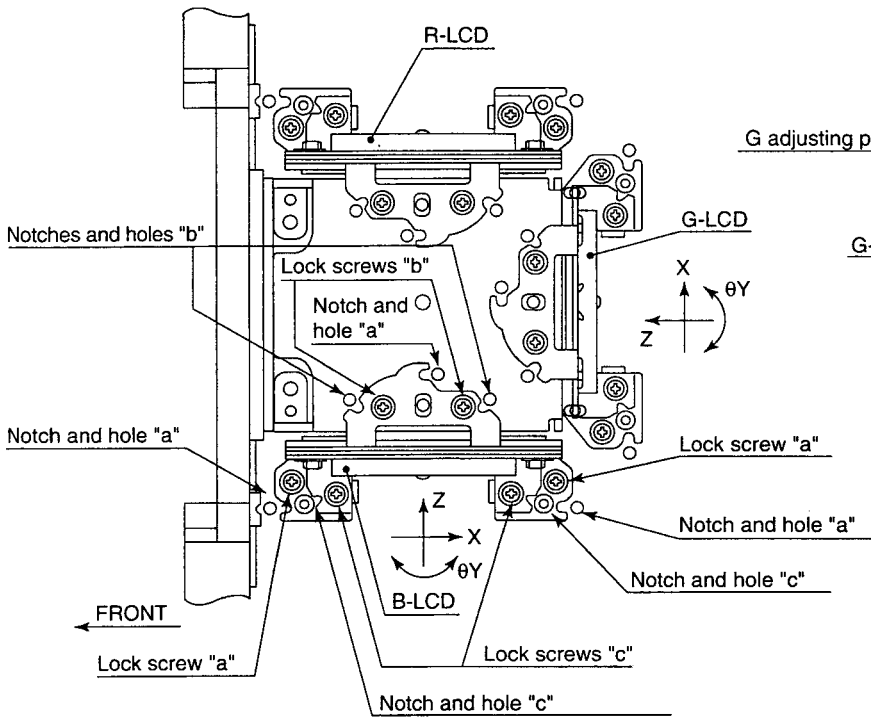
Notes :

① The eccentric cam is used for convergence adjustment. This means that the cam's turning and the linear movement are not always uniform.

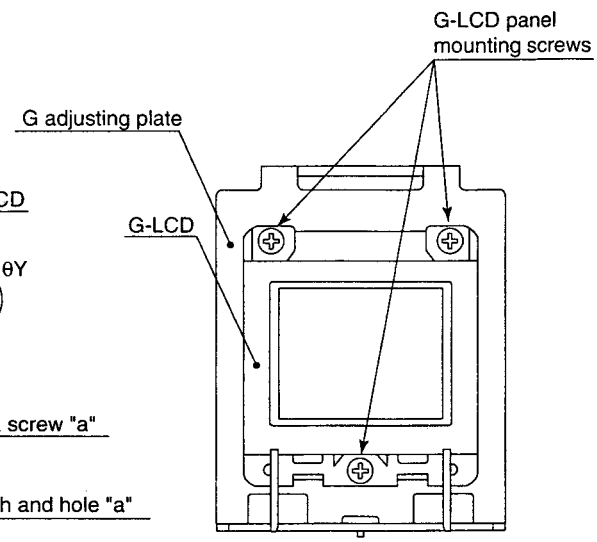
② This model is not equipped with the LCD image adjustment mechanism. This is because the dichroic prism is used for image formation. When the LCD panels all get into the best focus, the images are almost completely converged.

Convergence and Focus Adjustments Mechanism

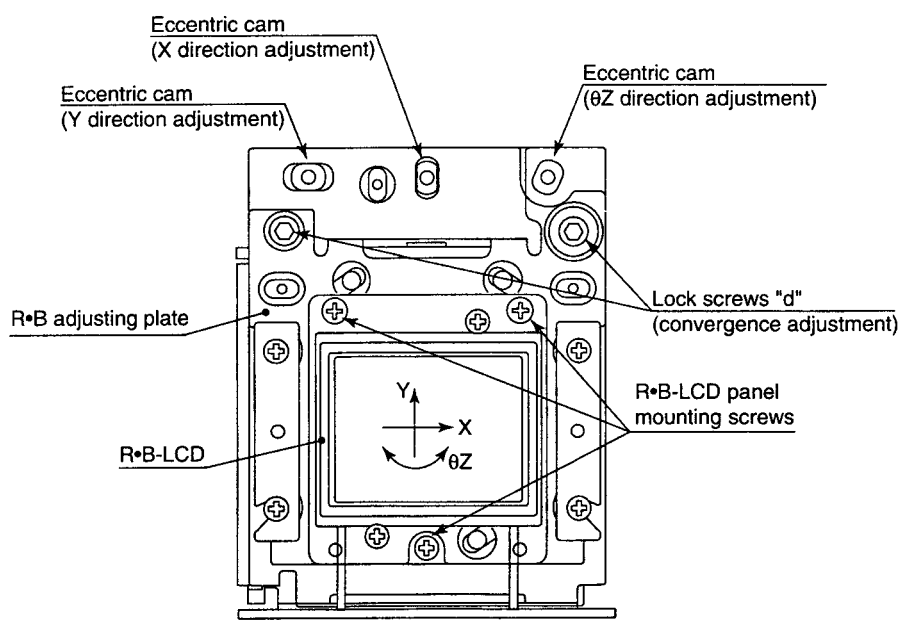
TOP VIEW



SIDE VIEW



SIDE VIEW



Convergence and Focus Adjustments at a Glance

Adjustment directions

Adjustment	Direction	Definition	Direction of LCD panel
Convergence	X direction		LCD right and left
	Y direction		LCD top and bottom
	θZ direction	Rotation around Z axis	LCD turning axis
Focus	Z direction		LCD optical axis
	θX direction	Rotation around X axis	LCD top-to-bottom flapping
	θY direction	Rotation around Y axis	LCD right-to-left flapping

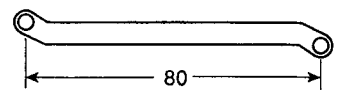
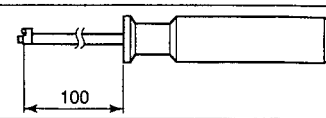
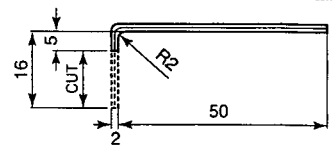
Convergence and Focus Adjustment for the XG-SV1 Optical Mechanism

Colour	Adjustment	Direction	Movement	Position	Adjusting tool	Lock screw	Tightening tool
R/B colours	Convergence	X direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		Y direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		θZ direction	±1°	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
	Focus	Z direction	±1mm	Notch and hole "a" & "c"	Eccentric screwdriver,	a, c	Phillips screwdriver
		θX direction	±1°	Notch and hole "a" & "c"		a, c	
		θY direction	±1°	Notch and hole "b" & "c"		b, c	
G colour	Focus	Z direction	±0.5mm	Same as for R and B colours			
		θX direction	±1°				
		θY direction	±1°				

Focus Adjustments the Other Way

Lock screw	Position	Related direction
a	Notch and hole "a"	Z and θX directions
b	Notch and hole "b"	θY direction
c	Notch and hole "c"	Z, θX and θY directions

Convergence and Focus Adjusting and Tightening Tools

Tool	Specific or General	Tool code	Configuration
Eccentric cam adjusting wrench	Specific	9DASPN-XGNV1U	
Eccentric screwdriver	Specific	9EQDRiVER-NV1A	
Hex wrench	General (redesigned)	9EQLNC-XGNV1U	
Phillips screwdriver	General	—	For M2.6 pan-head machine screw

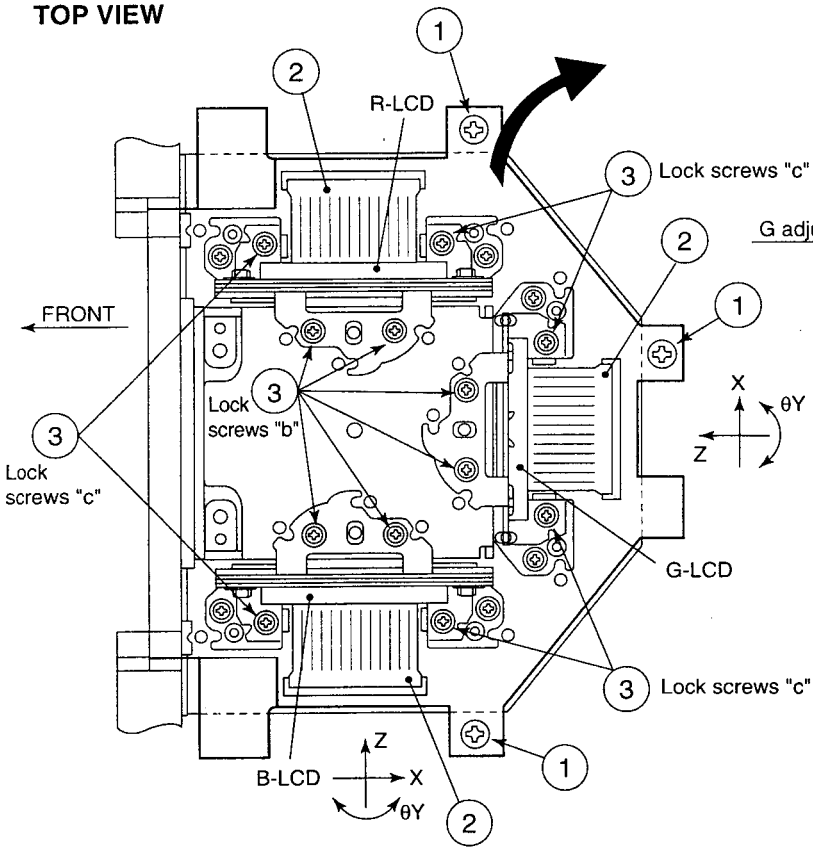
Replacing the LCDs

With the top cabinet removed

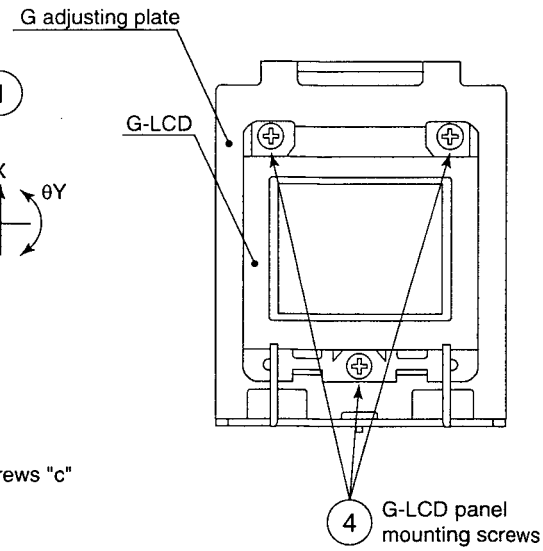
(1) Remove three screws off the output shield.
(2) Disconnect the LCD flat cable from the output PWB connector.
(3) Remove the lock screws "b" and "c". Detach the R/B adjusting plate or the G adjusting plate together with the LCD panel.
(4) Separate the LCD panel from the adjusting plate.
(5) Mount a new LCD panel in the reverse order of the above steps (1), (2), (3) and (4).

* Readjust the convergence and focus. Note that the G LCD panel needs no convergence adjustment and has a small adjustment range in the Z direction.

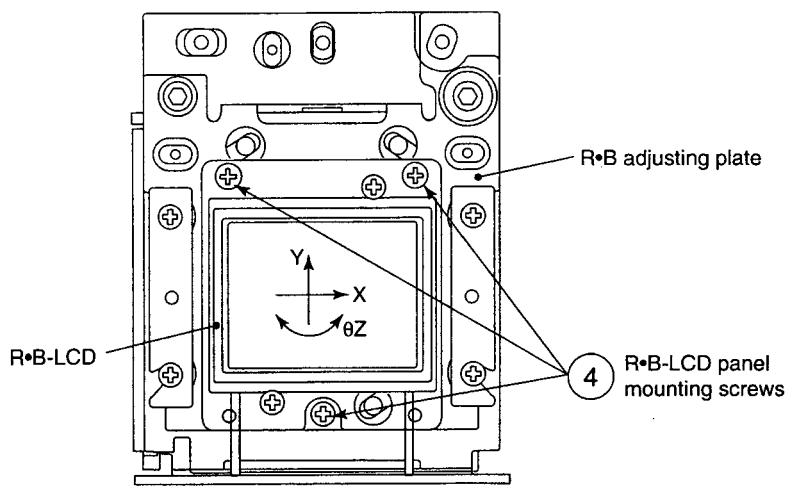
TOP VIEW



SIDE VIEW



SIDE VIEW



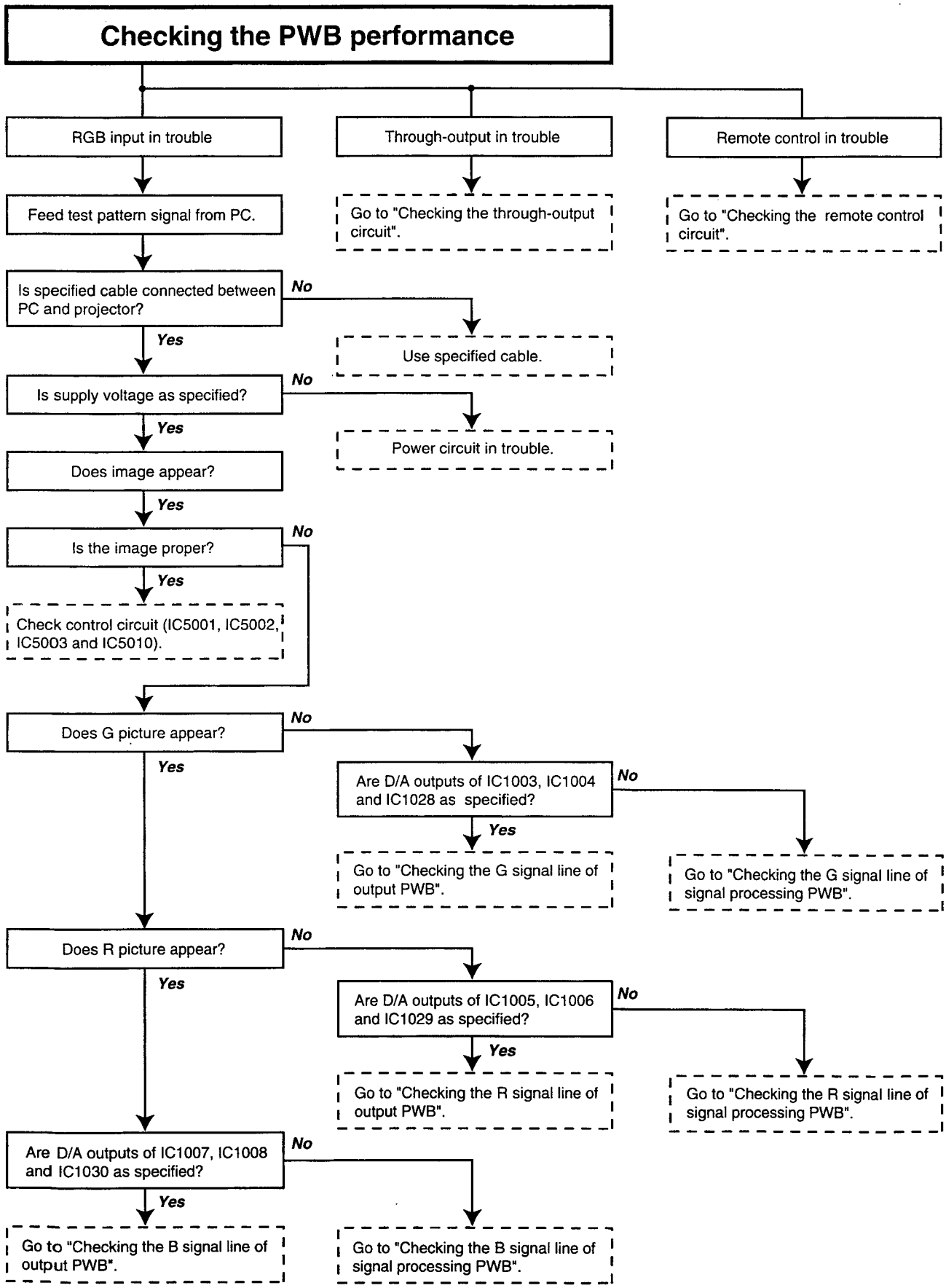
ELECTRICAL ADJUSTMENT

NOTE : The settings have been factory-adjusted to their best points. If any of them gets out of spec or after any relevant part has been replaced, make the related adjustment.

<table>
<tr><th>Step</th><th>Adjustment Position</th><th>Adjustment Conditions</th><th>Adjustment Method</th></tr>
<tr><td>1</td><td>EEPROM initialization</td><td>1. Turn on the power (make sure the lamp lights up) and warm up the unit for 15 minutes.</td><td>• Make the following settings.<table><tr><th>Factory setting</th><th>Setting on remote control</th></tr><tr><td>S2</td><td>Set to 2 on shipment</td></tr></table></td></tr>
<tr><td>2</td><td>RGB input offset adjustment</td><td>1. Feed the black-only signal.
Group : A/D
Subject : ROS (red),
GOS (green),
BOS (blue)</td><td>• Using the membrane switch or the remote control button, adjust the data in order to get bit-less noise.</td></tr>
<tr><td>3</td><td>RGB gain adjustment</td><td>1. Feed the 100% green-only signal.
Group : A/D
Subject : GAIN</td><td>• Using the membrane switch or the remote control button, adjust the data in order to get bit-less noise.</td></tr>
<tr><td>4</td><td>R drive adjustment</td><td>1. Feed the 100% red-only signal.
Group : A/D
Subject : R DRIVE</td><td>• Using the membrane switch or the remote control button, adjust the data in order to get bit-less noise.</td></tr>
<tr><td>5</td><td>B drive adjustment</td><td>1. Feed the 100% blue-only signal.
Group : A/D
Subject : B DRIVE</td><td>• Using the membrane switch or the remote control button, adjust the data in order to get bit-less noise.</td></tr>
<tr><td>6</td><td>White level voltage rough adjustment</td><td>Group : OUTPUT
Subject : RW,
GW,
BW</td><td>• Using the membrane switch or the remote control button, adjust the data in order to get 60 displayed.</td></tr>
<tr><td>7</td><td>Black level voltage rough adjustment</td><td>Group : OUTPUT
Subject : RW,
GW,
BW</td><td>• Using the membrane switch or the remote control button, adjust the data in order to get 196 displayed.</td></tr>
<tr><td>8-1</td><td>White balance adjustment</td><td>1. Feed the gray scale signal.
Group : OUTPUT
Subject : RW RB,
GW GB,
BW BB</td><td>• Using the membrane switch or the remote control button, adjust the data.
• Readjust the black level voltage by a change in white level voltage.
(white level voltage + black level voltage to be below 280)</td></tr>
<tr><td>8-2</td><td>RGB black and white level adjustment</td><td>1. Feed the ANSI signal.
Group : A/D
Subject : BRIGHT,
GAIN</td><td>• BRIGHT : Using the membrane switch or the button on the remote controller, adjust the data to 130 on the screen.
• GAIN : Adjust the data so that the value be 7 down from the value in Item 3.</td></tr>
</table>

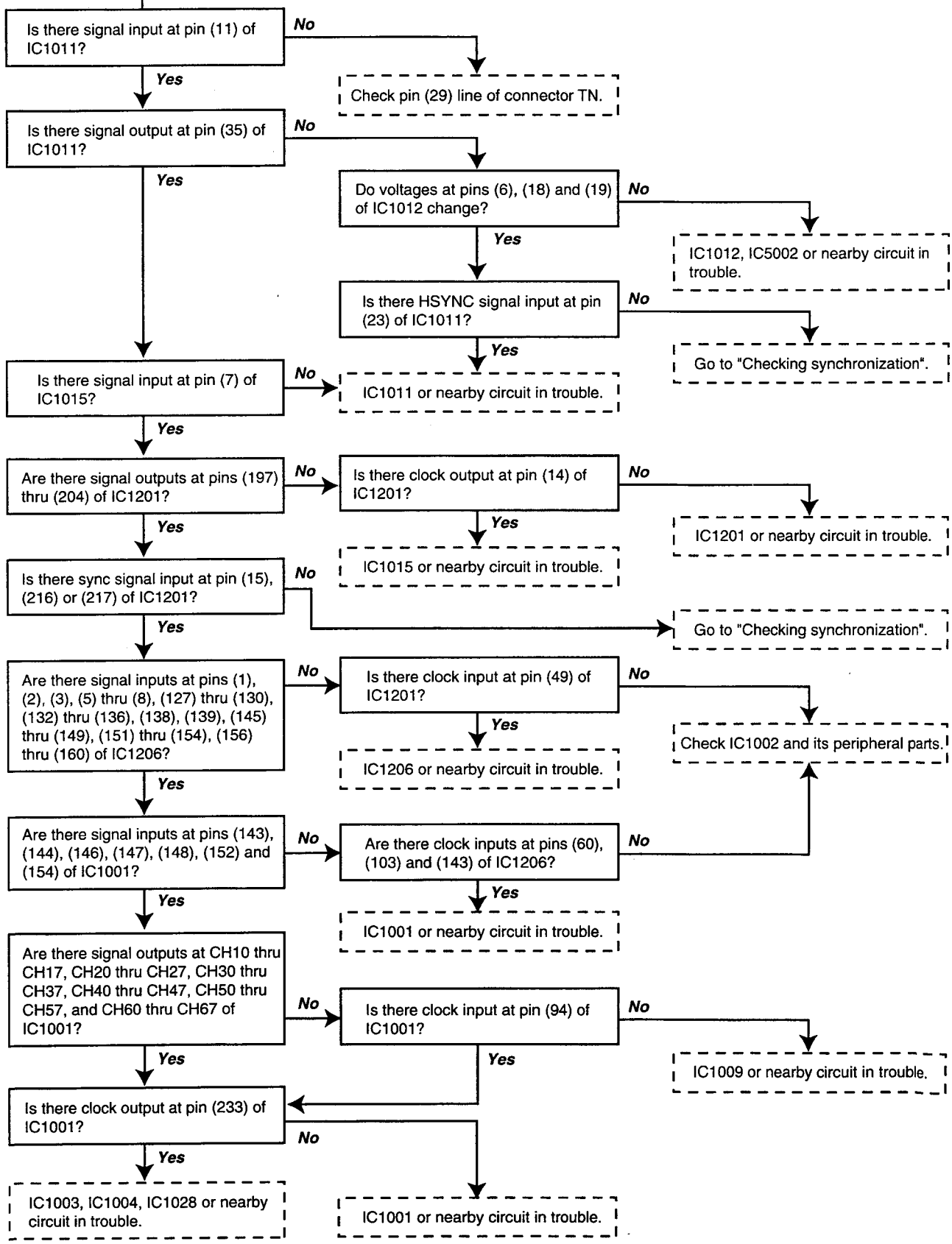
<table>
<tr><th>Step</th><th>Adjustment Position</th><th>Adjustment Conditions</th><th>Adjustment Method</th></tr>
<tr><td>9-1</td><td>Counter voltage adjustment</td><td>1. Feed the black-and-red (25%) stripe signal (SVGA).
Group : OUTPUT
Subject : RC (red)</td><td>• Using the membrane switch or the remote control button, adjust the data to make the flicker smallest.</td></tr>
<tr><td>9-2</td><td>Counter voltage adjustment</td><td>1. Feed the black-and-green (25%) stripe signal (SVGA).
Group : OUTPUT
Subject : GC (green)</td><td>• Using the membrane switch or the remote control button, adjust the data to make the flicker smallest.</td></tr>
<tr><td>9-3</td><td>Counter voltage adjustment</td><td>1. Feed the black-and-blue (25%) stripe signal (SVGA).
Group : OUTPUT
Subject : BC (blue)</td><td>• Using the membrane switch or the remote control button, adjust the data to make the flicker smallest.</td></tr>
<tr><td>10</td><td>Factory settings</td><td></td><td>• Make the following settings.<table><tr><th>Factory setting</th><th>Setting on remote control</th></tr><tr><td>S4</td><td>Set to 4 on shipment</td></tr></table></td></tr>
</table>

TROUBLE SHOOTING TABLE



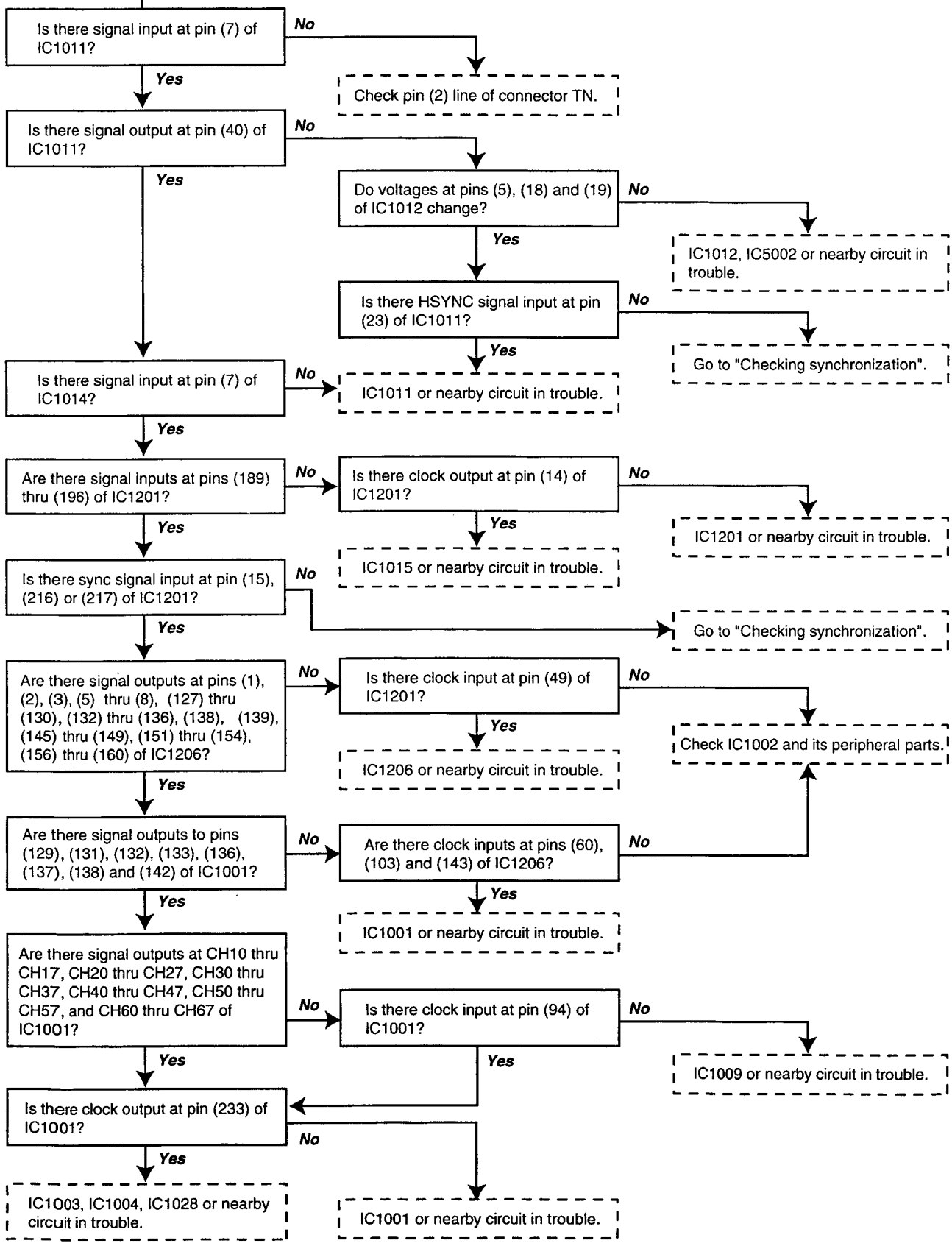
TROUBLE SHOOTING TABLE (Continued)

Checking the G signal line of signal processing PWB



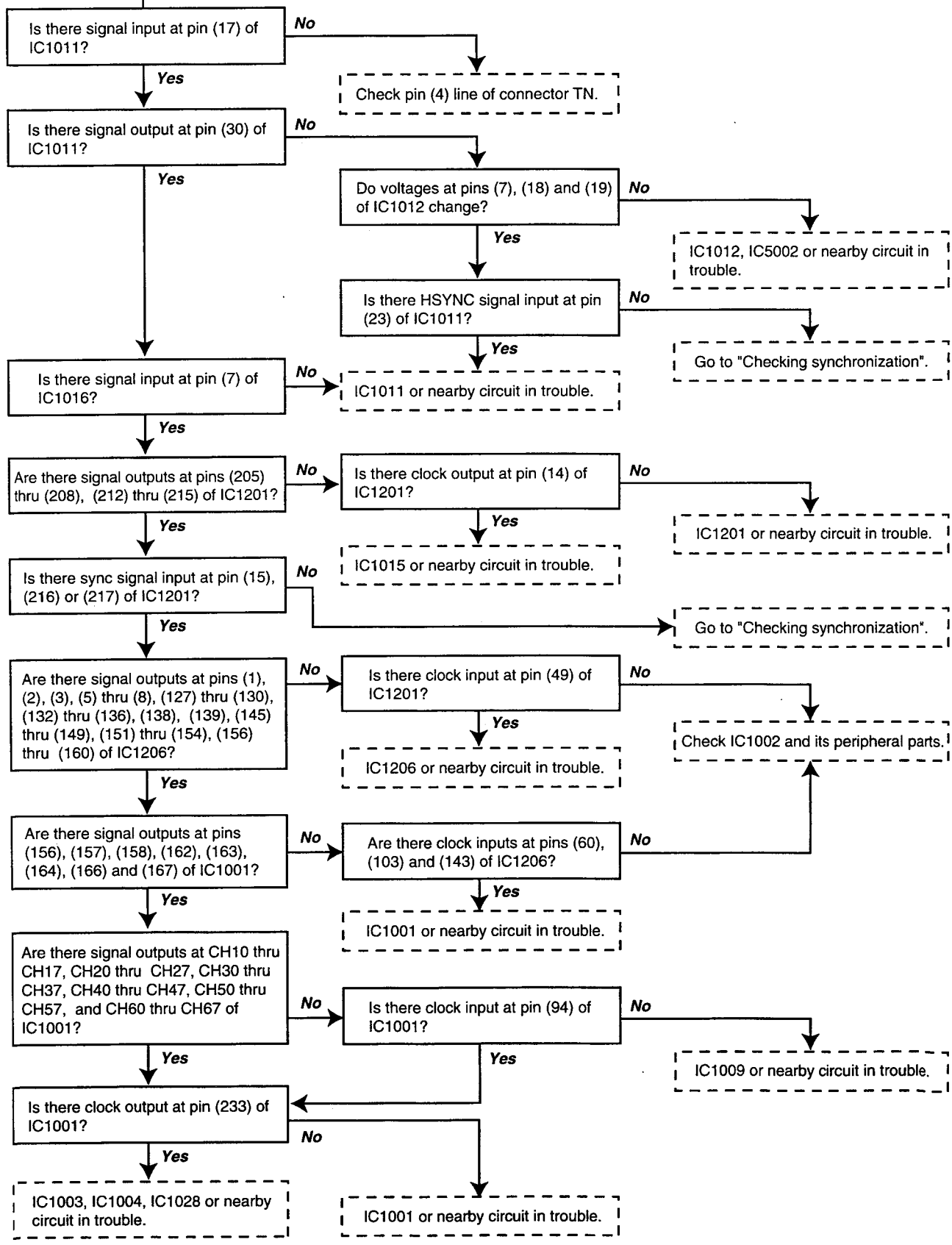
TROUBLE SHOOTING TABLE (Continued)

Checking the R signal line of signal processing PWB



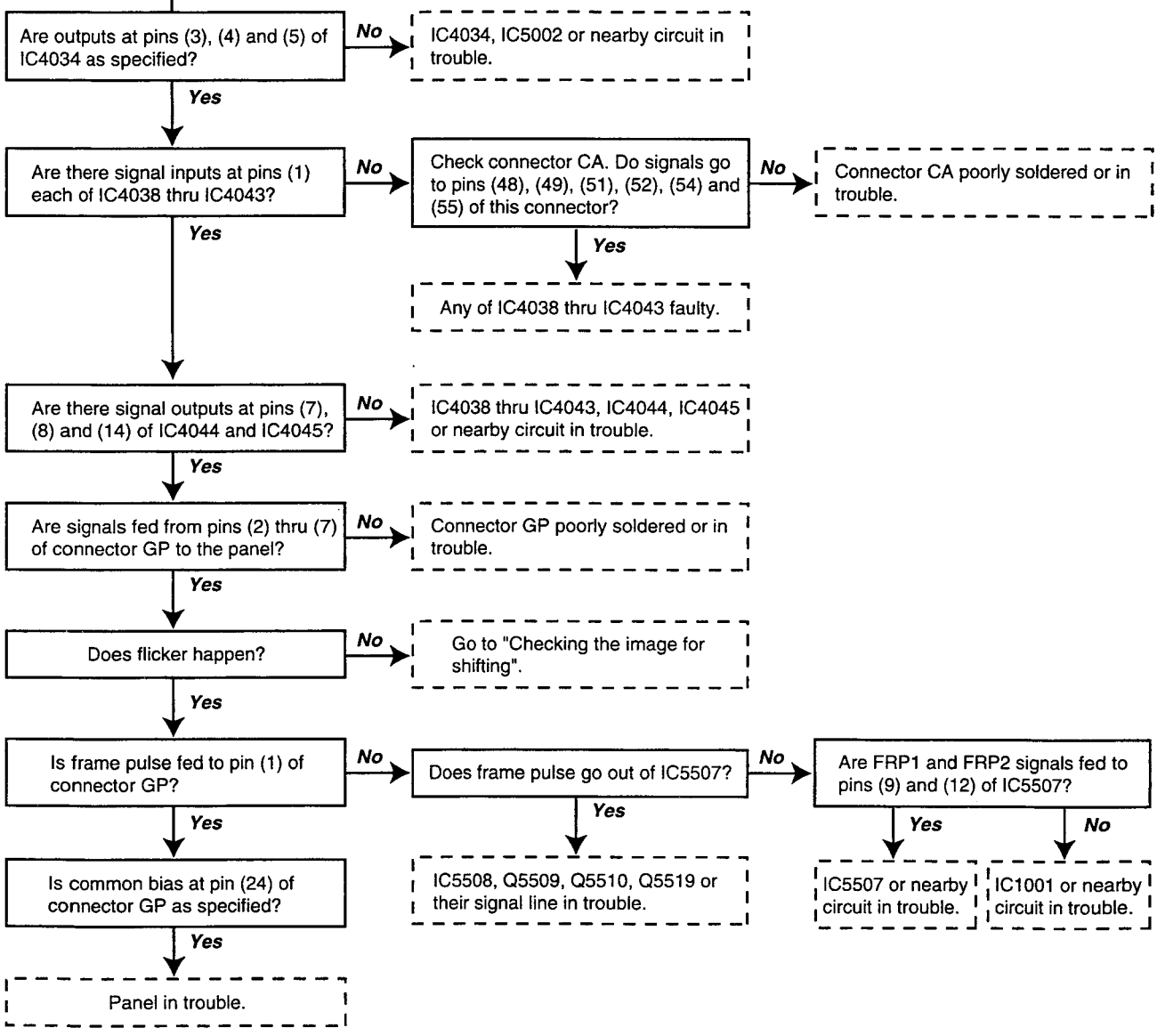
TROUBLE SHOOTING TABLE (Continued)

Checking the B signal line of signal processing PWB

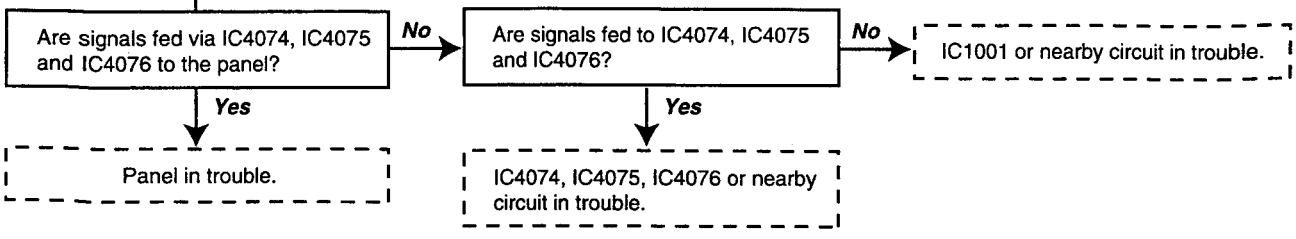


TROUBLE SHOOTING TABLE (Continued)

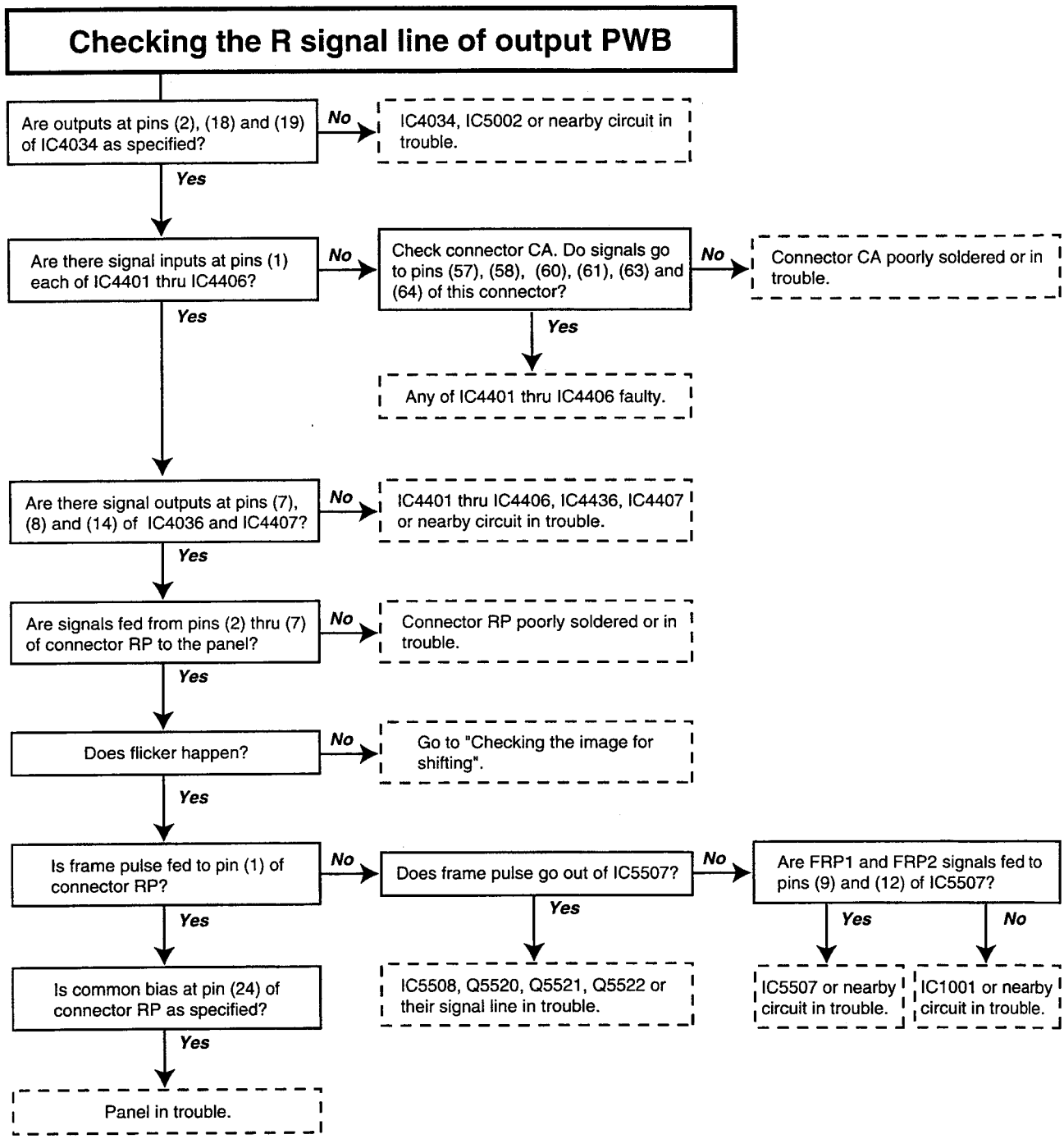
Checking the G signal line of output PWB



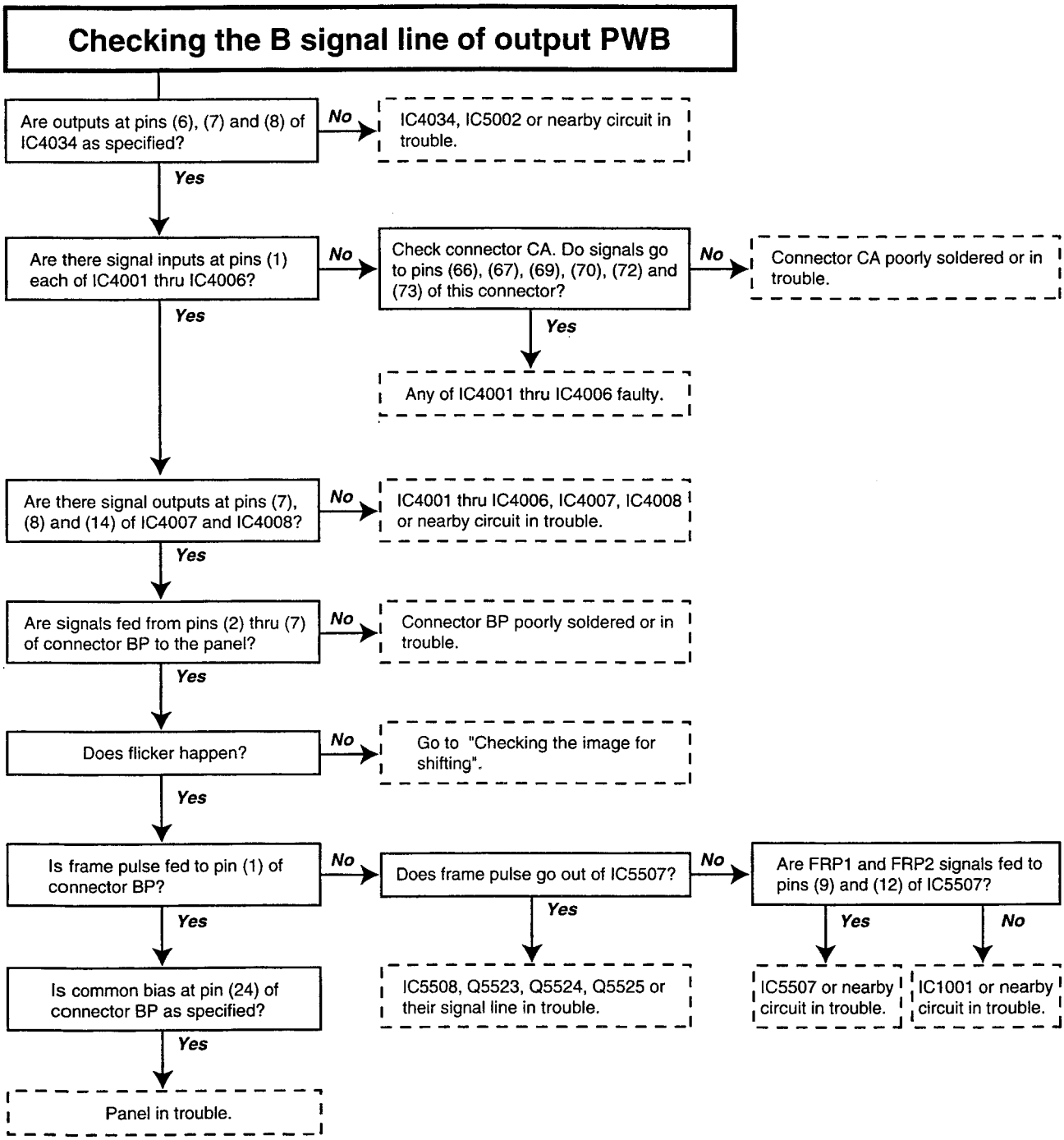
Checking the image for shifting



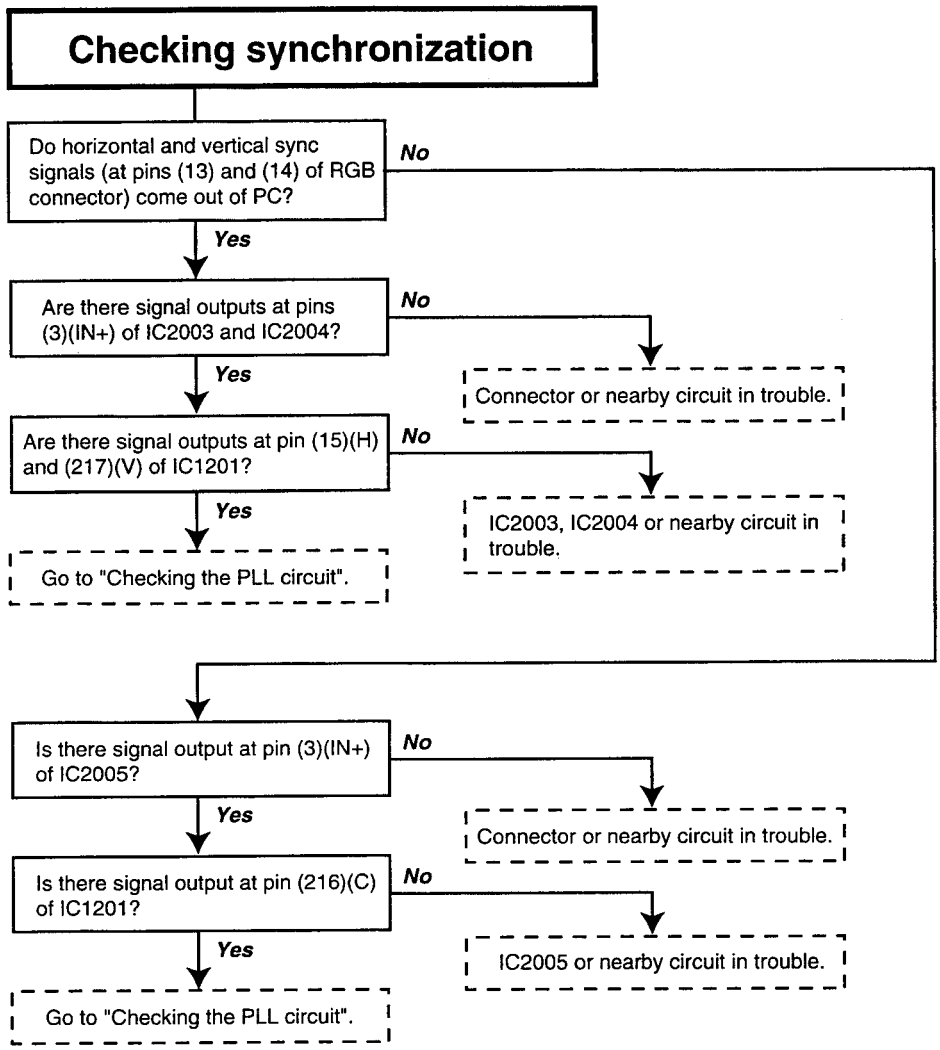
TROUBLE SHOOTING TABLE (Continued)

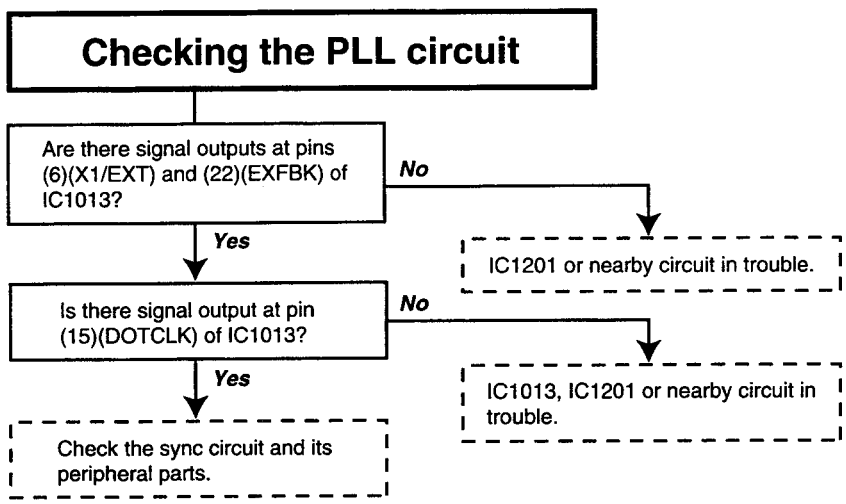


TROUBLE SHOOTING TABLE (Continued)



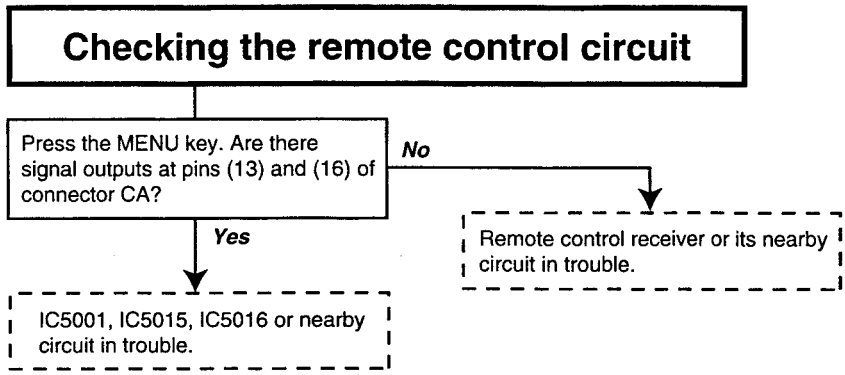
TROUBLE SHOOTING TABLE (Continued)



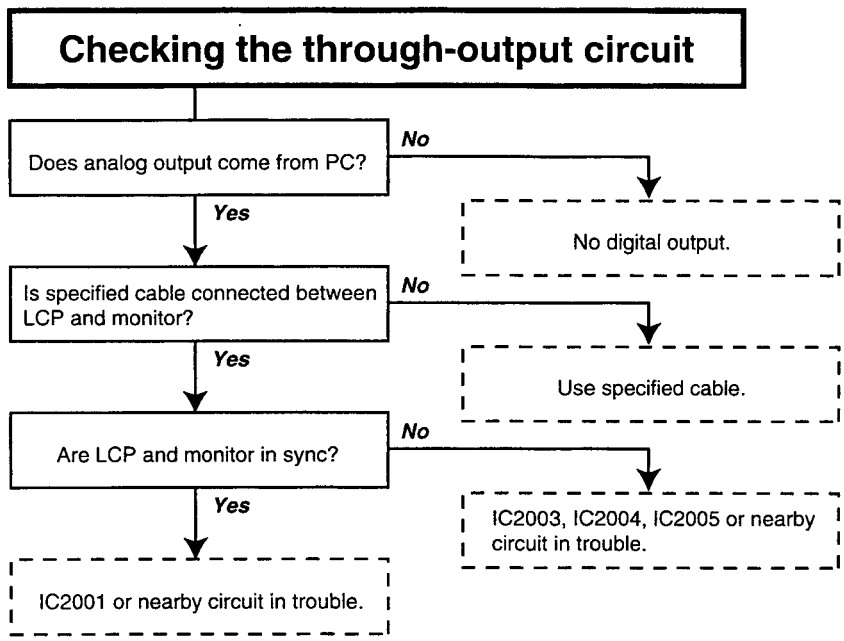


TROUBLE SHOOTING TABLE (Continued)

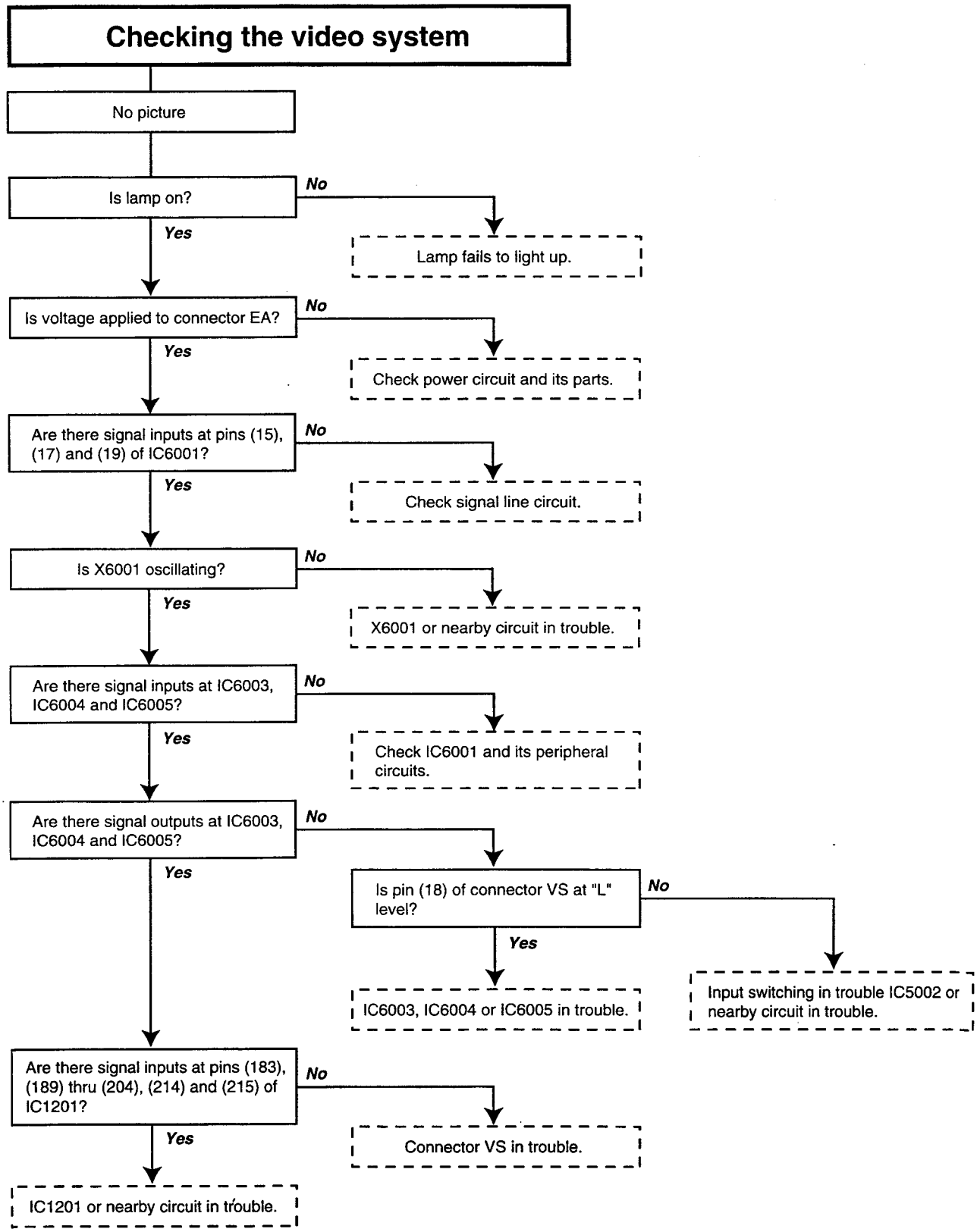
Checking the remote control circuit



Checking the through-output circuit

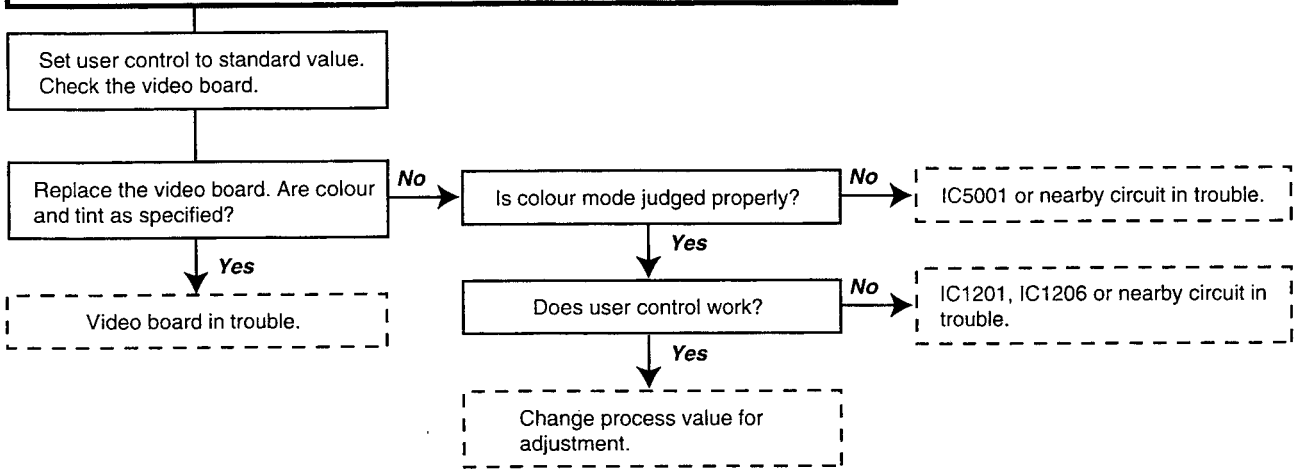


TROUBLE SHOOTING TABLE (Continued)

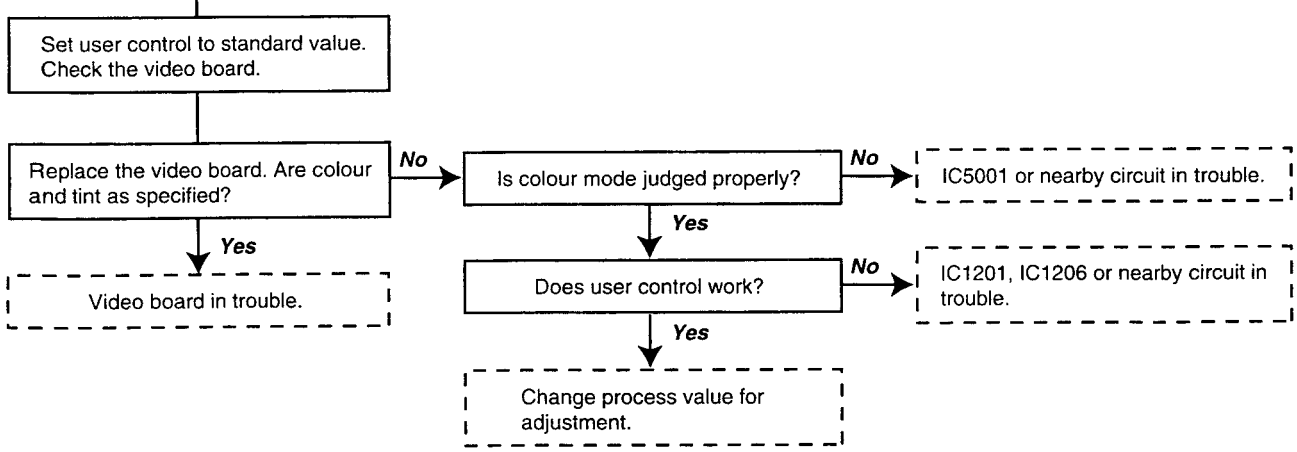


TROUBLE SHOOTING TABLE (Continued)

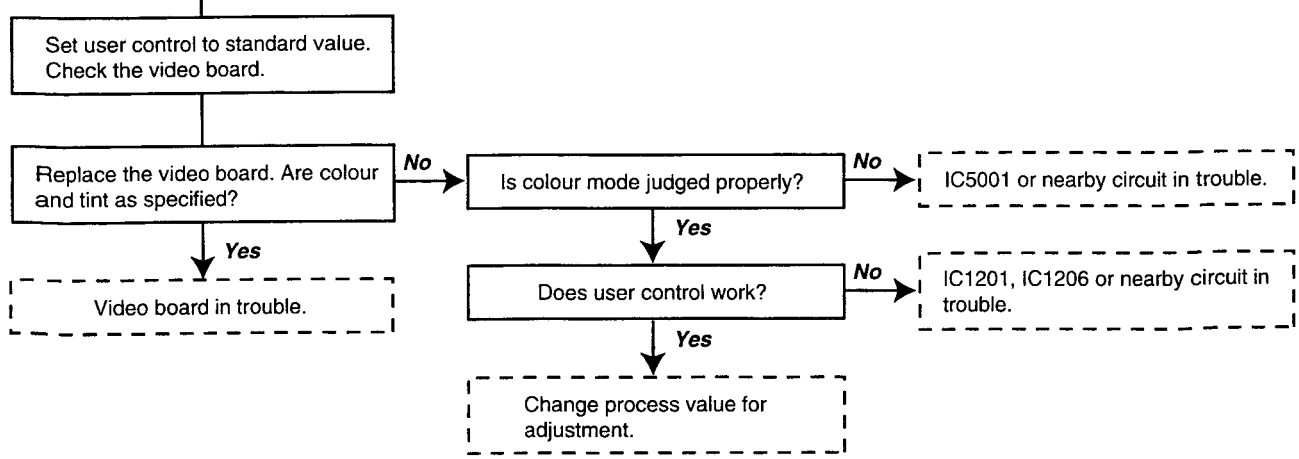
No colour or unusual tint with NTSC signal



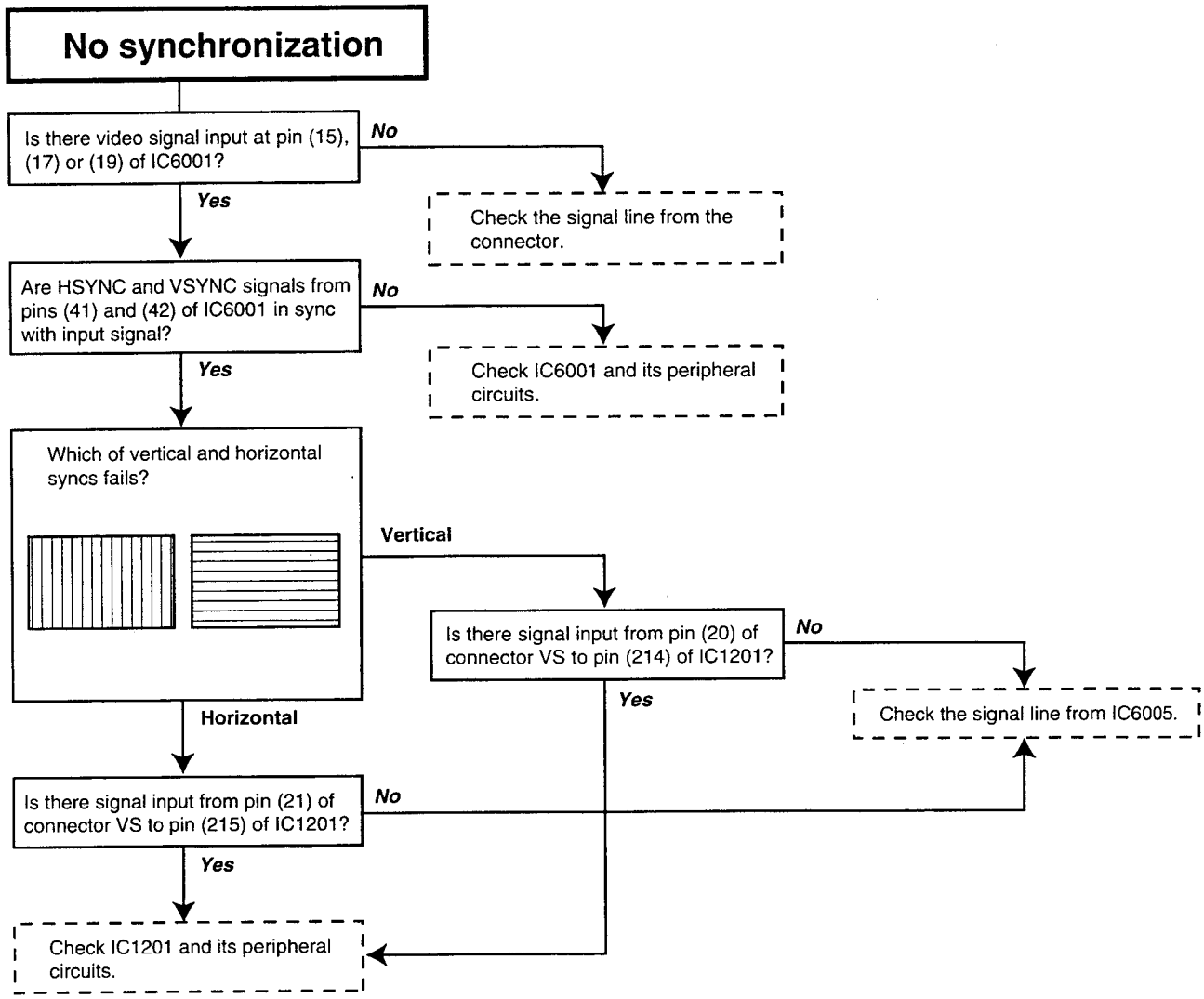
No colour or unusual tint with PAL signal



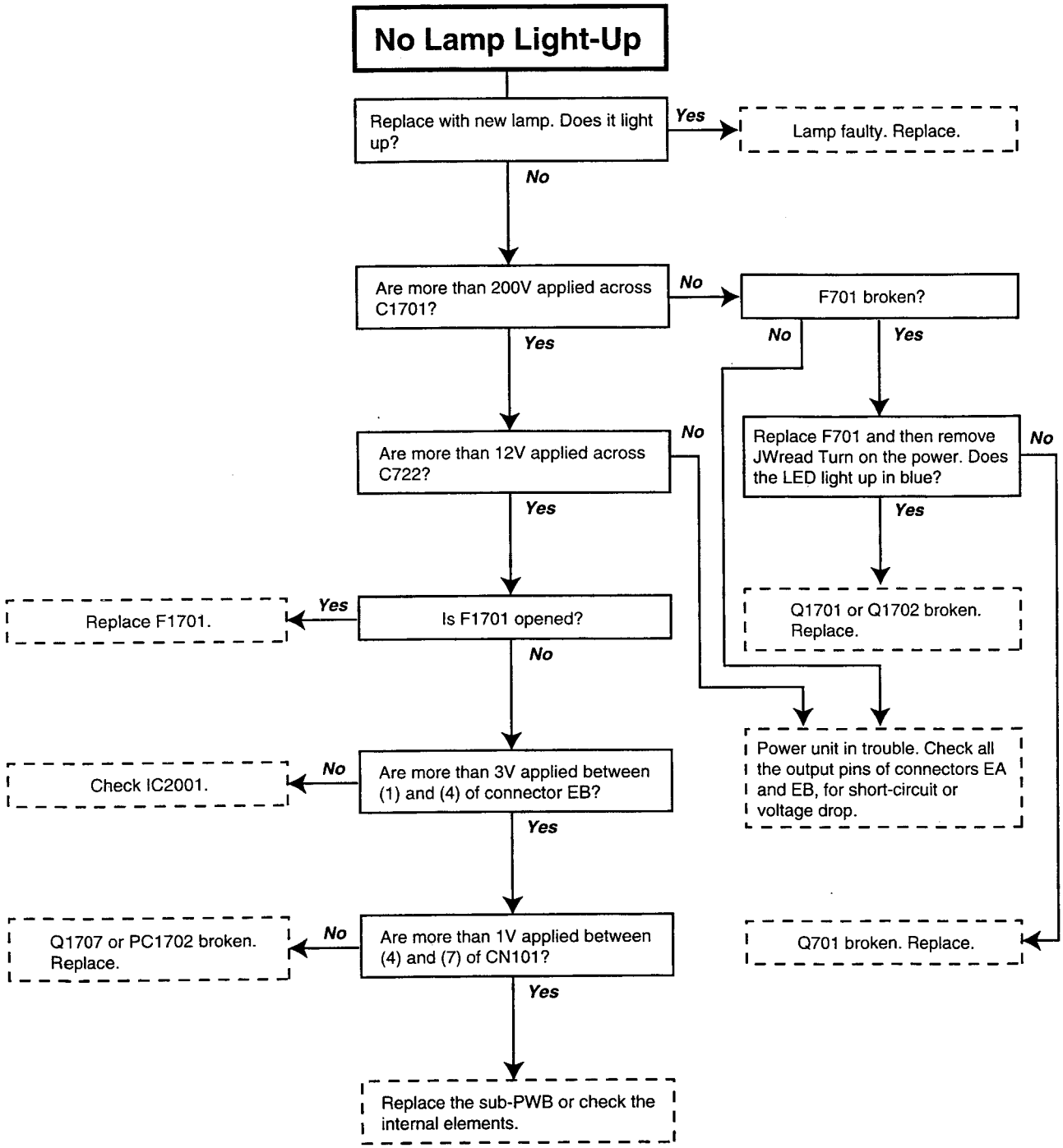
No colour or unusual tint with SECAM signal



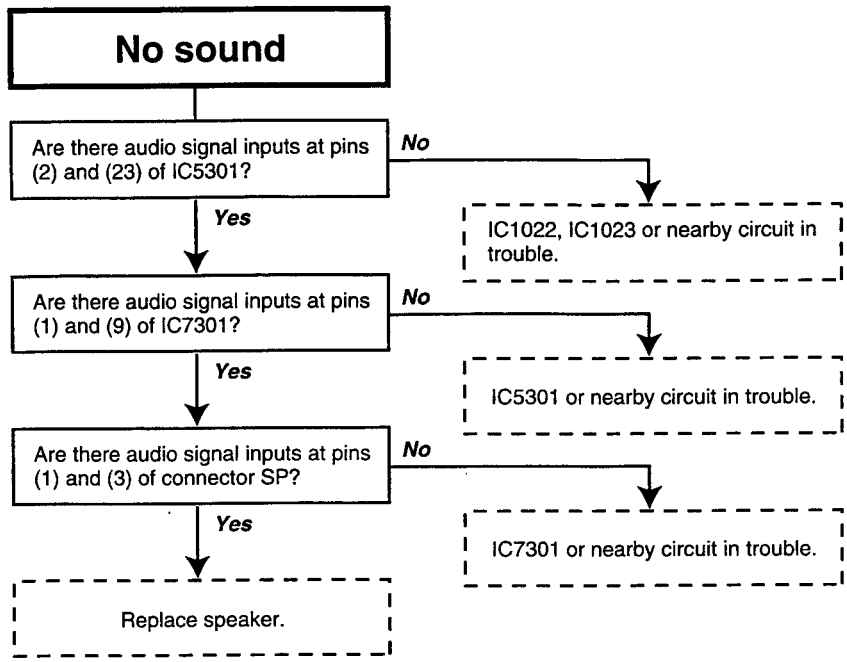
TROUBLE SHOOTING TABLE (Continued)

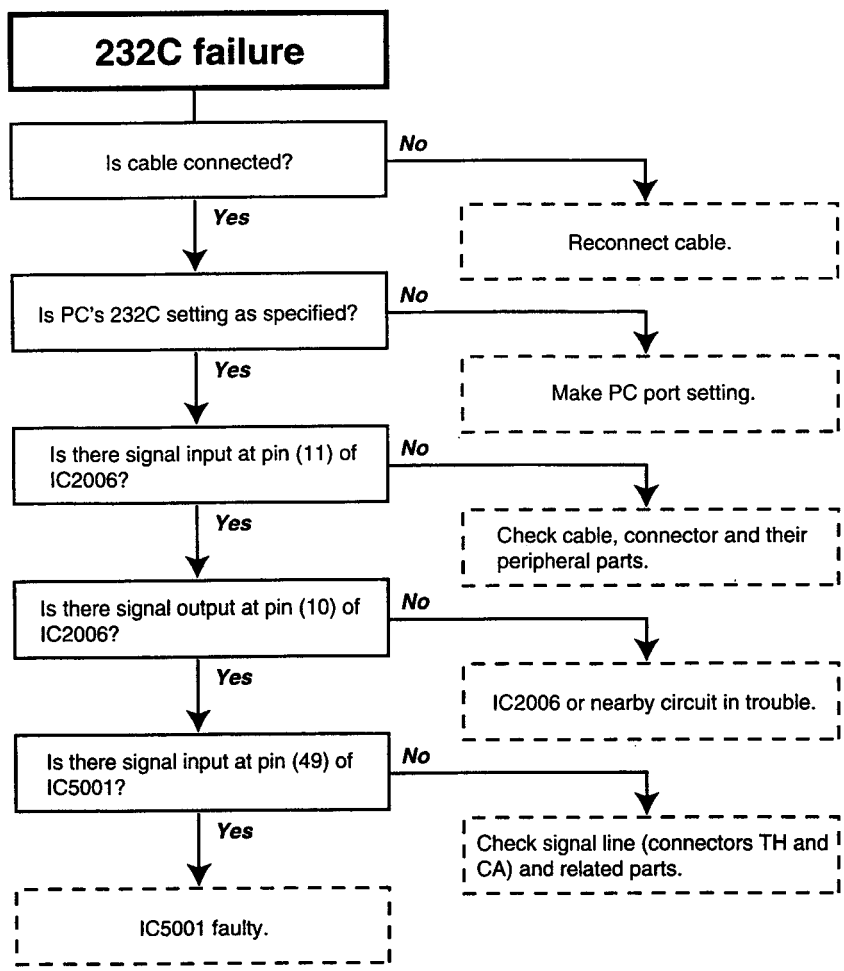


TROUBLE SHOOTING TABLE (Continued)



TROUBLE SHOOTING TABLE (Continued)





HINWEIS FÜR DAS WARTUNGSPERSONAL

ACHTUNG: UV-STRAHLUNG

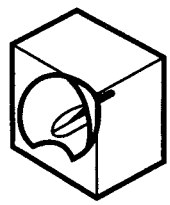
Die Lichtquelle im LCD-Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.

DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

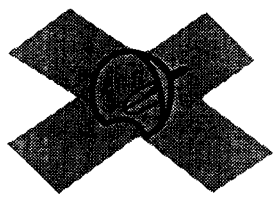
Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:

1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.

2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



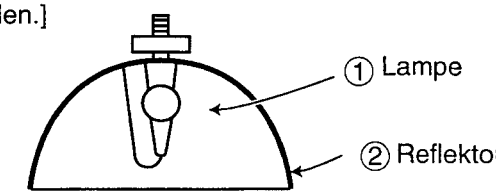
Zur Beachtung bei UV-Strahlung und Mitteldruck-Lampen

1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. Die Lampe darf nur gegen eine der gleichen Art ausgewechselt werden. Typ CLMPF0046DE01, bemessen für 63 V/370 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Die Mitteldruck-Lampe weist ein Explosionsrisiko auf. Daher müssen die nachstehenden Installationsanweisungen beachtet werden, und die Lampe muß vorsichtig behandelt werden.

■ Auswechseln der Lampe

Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann.
Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden.
[Es darf nur ein Original-Ersatzteil verwendet werden.]



Nach Auswechseln der Lampe die drei Tasten (ENTER, ADJ. ▶ (rechts) und ADJ. ▼ (unten)) des Gerätes niederdrücken und den Netzschalter (über der Netz-Eingang) einschalten.

GEFAHR! — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden (Abb. 1).

Hinweis: Besorgen Sie sich einen Objektivdeckel, bevor Sie Arbeiten an einem Modell XG-SV1E durchführen, das keinen Objektivdeckel aufweist.

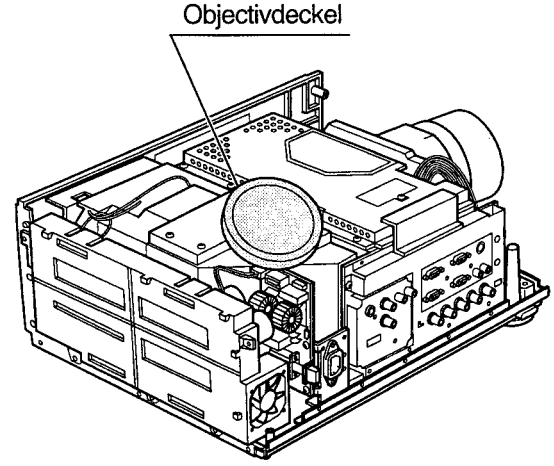


Abbildung 1.

Technische Daten

Produkttyp	LCD-Projekor
Modell	XG-SV1E
* Videosystem	PAL/SECAM/NTSC3.58
Wiedergabeverfahren	LCD-Projektionspanel x 3, optisches RGB-Verschlußverfahren
LCD-Projektionspanel	Panelgröße: 3,3 cm (19,8 mm [H] x 26,4 mm [B]) Wiedergabe-Verfahren: Durchlässiges TN-Flüssigkristall-Panel Treiberverfahren: TFT (Dünnfilmtransistor) Aktivmatrix-Panel Anzahl der Bildpunkte: 519.168 Bildpunkte (832 [H] x 624 [V])
Objektiv	1-1.6 Zoomobjektiv F2,5 bis 3,2, f=48 bis 76 mm
Projektionslampe	370 W Metallhalogenidlampe
Kontrastverhältnis	100: 1
* Videoeingangssignal	BNC-Anschluß: VIDEO, gemischtes Video, 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert RCA-Anschluß: AUDIO, 0,5 Vrms, mehr als 22kΩ (Stereo)
* S-Videoeingangssignal	4-pol. Mini-DIN-Steckanschluß Y (Luminanz-Signal): 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert C (Chrominanz-Signal): Farbsynchronimpuls 0,286 Vs-s, 75Ω terminiert
* Video (Monitor)-Ausgangssignal	BNC-Anschluß: VIDEO, gemischtes Video, 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert RCA-Anschluß: AUDIO, 0,5 Vrms, mehr als 2,2kΩ (Stereo)
* Horizontale Auflösung	580 Fernsehzeilen (Videoeingang)
Audioausgang	3 W + 3 W (Stereo)
RGB-Computereingangssignal	Videosignal: 15-Pin Mini-D-Sub Steckanschluß (RGB 1), BNC-Steckanschluß (RGB 2): Getrennter analoger RGB-Signaleingang: 0,7 Vp-p, positiv, 75 Ω terminiert Stereo-Minibuchse: AUDIO, 0,5 Vrms, mehr als 22 kΩ (Stereo) Horizontales Sync.-Signal: TTL-Pegelsignal (positiv oder negativ) oder gemischtes Sync.-Signal (nur Macintosh) Vertikales Sync.-Signal: Wie oben
RS-232C-Eingangs-Anschluß	9-Pin D-Sub Stecker für die Bedienung des Computers
Maus-Eingangs-Anschluß (für IBM/Mac)	9-Pin D-Sub-Buchse für die drahtlose Maus
Maus-Eingangs-Anschluß (für PC98)	9-Pin Mini-DIN Steckverbindung für die drahtlose Maus
Lautsprechersystem	3" (8 cm) rund x 2
Nennspannung	Wechselstromspannung 200-240 V
Nennfrequenz	60/50 Hz
Nennaufnahme	520 W
Betriebstemperatur	5 °C bis 40 °C
Lagertemperatur	–20 °C bis 60 °C
Gehäuse	Kunststoff
Wellenlänge des Laserzeiger der Fernbedienung	Wellenlänge: 670 nm Max. Ausgangsleistung: 1 mW Klasse II Lasergerät
Abmessungen (B x T x H)	359 x 528 x 195 mm nur. Projektor 444 x 528 x 195 mm einschl. Anschluß-Abdeckung
Gewicht	14,6 kg nur. Projektor 14,8 kg einschl. Anschluß-Abdeckung
Mitgeliefertes Zubehör	Fernbedienung, vier Batterien der Größe AA, Ersatz-Luftfilter, RGB-Signalkabel (3 m), Macintosh-Adapter, zwei BNC/RCA-Adapter, Maus-Steuerungskabel für IBM PS/2 (15 cm), Maus-Steuerungskabel für Macintosh (15 cm), Maus-Steuerungskabel (3 m), Netzkabel, Abdeckung für Anschlüsse, Objektivkappe (linstalliert).
Ersatzteile	Fernbedienung (RRMCG1357CESA), Luftfilter (PFILD0055CEZZ), RGB-Signalkabel (QCNW-4422CEZZ), Macintosh-Adapter QPLGJ1511CEZZ), Maus-Steuerungskabel für IBM PS/2 (QCNW-4754CEZZ), Maus-Steureungskabel für Macintosh (QCNW-4755CEZZ), Maus-Steuerungskabel (QCNW-4620CEZZ), Netzkabel

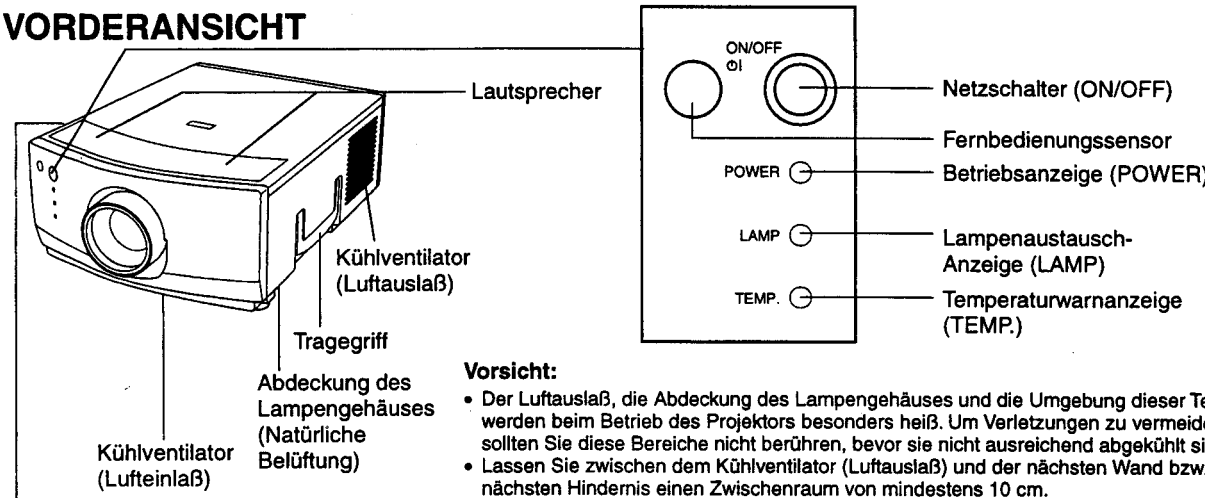
Hinweis: * (nur für Australien und Neuseeland)

Dieser Projektor ist mit 3 LCD (Flüssigkristallanzeige)-Projektionspanels ausgestattet. Diese neuartigen Projektionspanels enthalten TFTs (Dünnfilmtransistoren) mit insgesamt 519. 168 Bildpunkten (x RGB). Bei allen technologisch fortschrittlichen, elektronischen Geräten, z. B. Großbild-Fernsehern, Videosystemen und/oder Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben. Die von Sharp akzeptierte Toleranzgrenze erlaubt insgesamt 6 inaktive TFTs, die als beleuchtete oder nicht aktive Punkte auf der Bildwand wiedergegeben werden. Dies hat keinen Einfluß auf die Bildqualität und die Lebensdauer des Gerätes.

Änderungen der technischen Daten ohne vorherige Ankündigung vorbehalten.

Lage der Bedienelemente

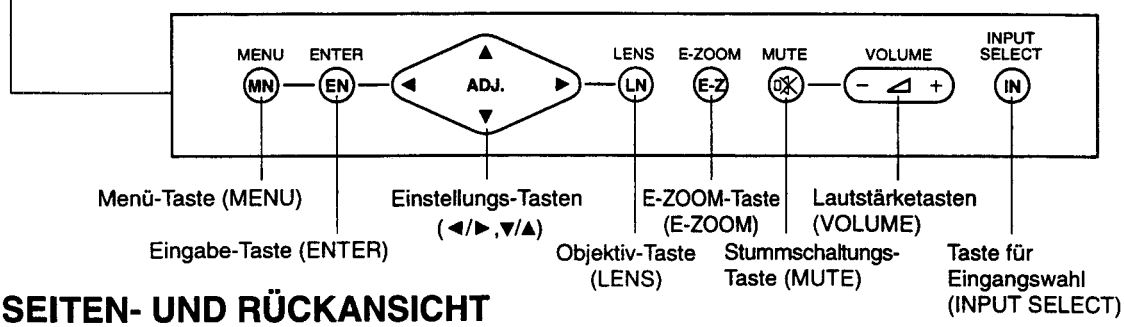
VORDERANSICHT



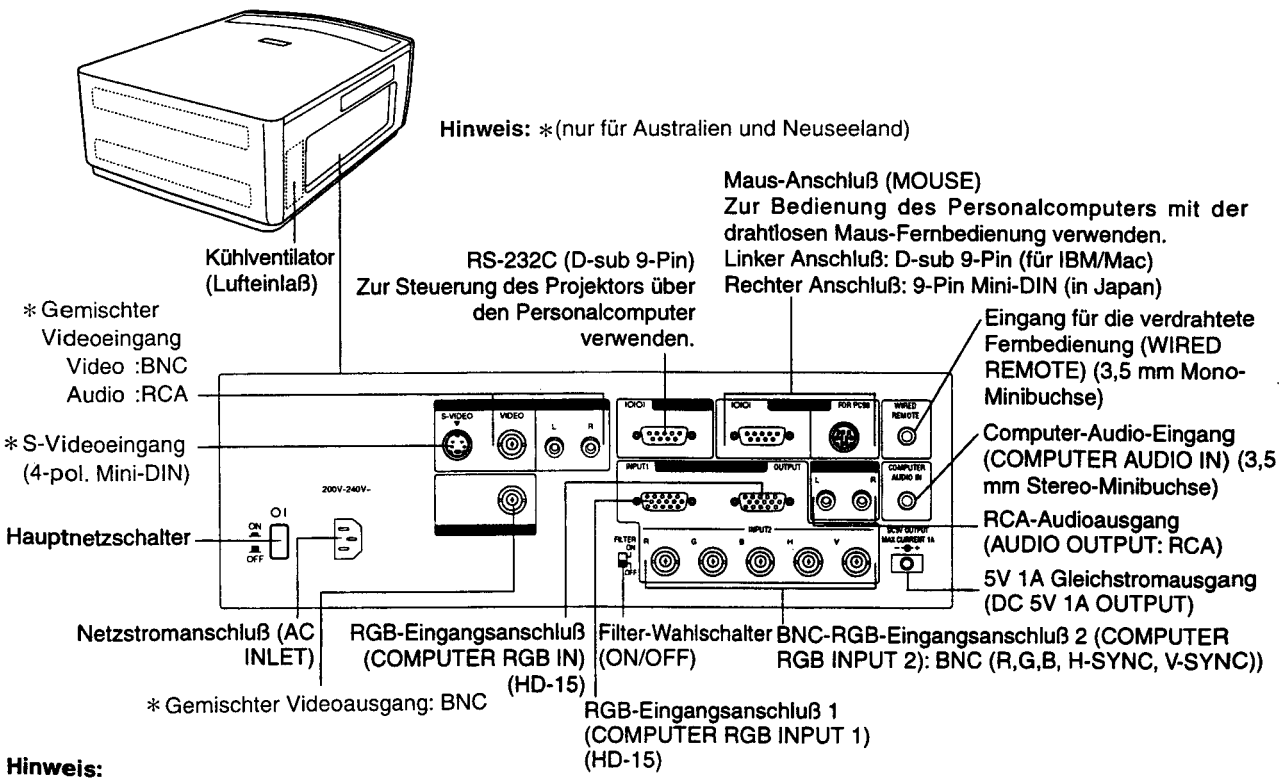
Vorsicht:

- Der Luftauslaß, die Abdeckung des Lampengehäuses und die Umgebung dieser Teile werden beim Betrieb des Projektors besonders heiß. Um Verletzungen zu vermeiden, sollten Sie diese Bereiche nicht berühren, bevor sie nicht ausreichend abgekühlt sind.
- Lassen Sie zwischen dem Kühlventilator (Luftauslaß) und der nächsten Wand bzw. dem nächsten Hindernis einen Zwischenraum von mindestens 10 cm.
- Falls der Kühlventilator blockiert wird, schaltet eine Schutzvorrichtung die Projektorlampe automatisch aus. Das ist normal und kein Störfall. Ziehen Sie den Netzstecker des Projektors ab und warten 10 Minuten. Stecken Sie dann den Netzstecker wieder ein. Der Projektor schaltet auf Normalbetrieb zurück.

BEDIENFELD AUF DER SEITE DES PROJEKTORS



SEITEN- UND RÜCKANSICHT



Hinweis:

- Der 5V 1A Gleichstromausgang (DC 5V 1A OUTPUT) kann nicht mehr als 1A Leistung abgeben.

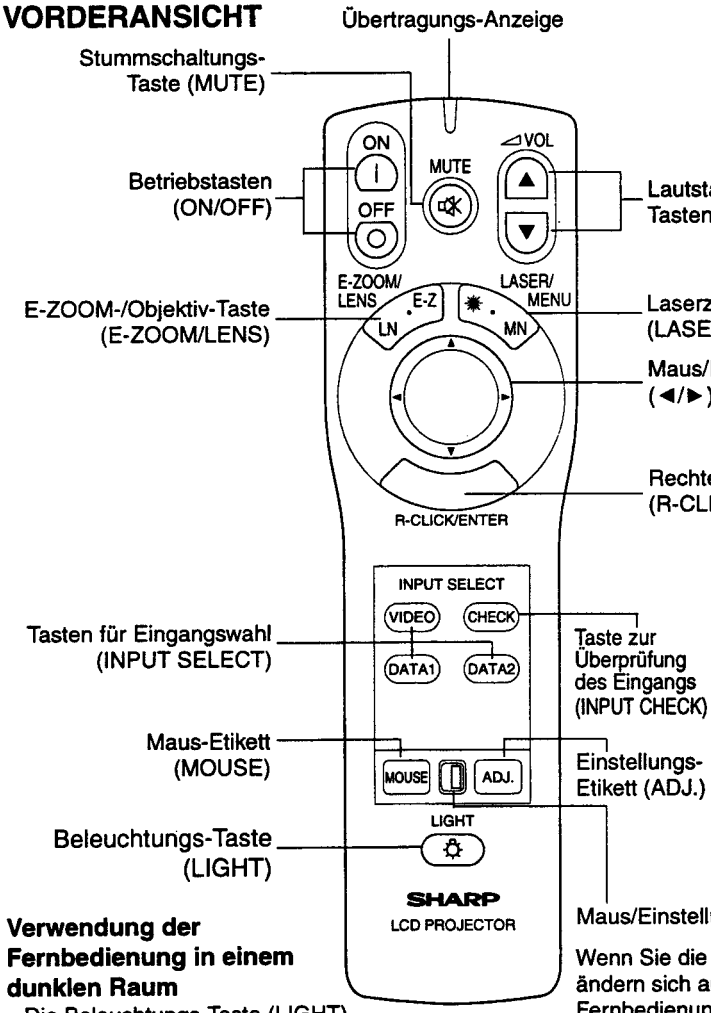
Betrieb mit der drahtlosen Maus-Fernbedienung

Die Funktionen der Maus Ihres Personalcomputers wurden in die Fernbedienung mit eingebaut, so daß Sie sowohl Ihren Projektor als auch Ihren Personalcomputer allein über die Fernbedienung bedienen können.

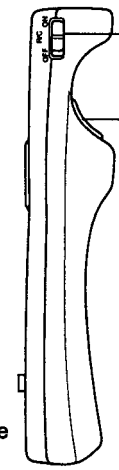
1. Schalten Sie den Hauptnetzschalter an der Seite des Gerätes ein.
2. Drücken Sie die Betriebstaste ON auf dem Bedienfeld der Fernbedienung, um das Gerät einzuschalten.
3. Wenn die Fernbedienung als drahtlose Maus verwendet werden soll, den Maus/Einstellungs-Schiebeschalter auf MAUS (MOUSE) schieben. Wenn die Fernbedienung zum Betrieb des Projektors verwendet soll, den Maus/Einstellungs-Schiebeschalter auf EINST (ADJ.) schieben. Um die Gegenlicht-Funktion der Fernbedienung zu verwenden, die Beleuchtungs-Taste (LIGHT) auf der Fernbedienung drücken. Die Farben der Tasten ändern sich, wie in der Tabelle unten auf dieser Seite gezeigt.

Drahtlose Fernbedienung

VORDERANSICHT



SEITENANSICHT



Vorsichtsmaßnahmen bei der Verwendung der Fernbedienung

- Der in diesem Gerät verwendete Laserstrahl ist harmlos, wenn er auf die Haut auftrifft; achten Sie aber darauf, den Laserstrahl nicht auf die Augen zu richten. Schauen Sie auch nicht mit Hilfe eines optischen Instruments in den Laserstrahl.
- Die Fernbedienung nicht Stößen, Flüssigkeiten oder hoher Luftfeuchtigkeit aussetzen. Die Fernbedienung kann möglicherweise nicht richtig funktionieren, wenn sie direkter Sonneneinstrahlung oder anderen starken Lichtquellen ausgesetzt ist. In diesem Fall sollte die Lichtquelle oder der LCD-Projektor verschoben werden.

Verwendung der Fernbedienung in einem dunklen Raum

- Die Beleuchtungs-Taste (LIGHT) drücken, um die Bedienungstasten ca. 10 Sekunden lang zu beleuchten. Die Gegenlichtfarben sind in der Tabelle rechts erklärt.

Hinweis:

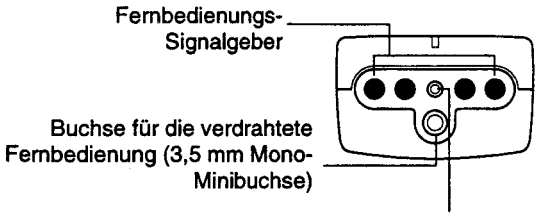
- Wenn der Hauptnetzschalter (MAIN POWER) auf der Fernbedienung ohne Betrieb des Gerätes 10 Minuten eingeschaltet gelassen bleibt, wird das Gerät automatisch ausgeschaltet. Zum erneuten Einschalten des Gerätes die Taste auf der Fernbedienung mindestens eine Sekunden lang drücken.

Maus/Einstellungs-Schiebeschalter

Wenn Sie die Stellung des Maus/Einstellungs-Schiebeschalters ändern, ändern sich auch die Funktionen einiger Bedienungstasten auf der Fernbedienung. Welche Funktion eine bestimmte Taste gegenwärtig ausübt, können Sie an der Farbe des Gegenlichts erkennen.

Tastenbezeichnung	Position des Maus/Einstellungs-Schiebeschalters	
	MAUS	EINST
Laserzeiger-/Menütaste (LASER/MENU)	Laserzeiger (grün)	Menü (rot)
Rechte Klick-Eingabe-Taste (R-CLICK/ENTER)	Rechte Klick-Eingabe-Taste (grün)	Eingabe (rot)
Maus/Einstellungs-Tasten (MOUSE/ADJ.)	Maus-Taste (nicht beleuchtet)	Einst. ◄/►, ▼/▲ (nicht beleuchtet)
Linke Klick-Taste (L-CLICK)	Ja (nicht beleuchtet)	—
E-ZOOM/Objektiv(E-ZOOM/LENS)	E-ZOOM (grün)	Objektiv (rot)
Betriebstaste (ON/OFF)	Ja (rot)	
Lautstärke-Tasten (VOL)		
Stummschaltungstaste (MUTE)		
VIDEO		
DATE 1		
DATE 2		
Überprüfung des Eingangs (INPUT CHECK)		

ANSICHT VON OBEN



Verwendung des als Sonderzubehör erhältlichen Kabels mit der Fernbedienung

- Wenn die Fernbedienung aufgrund des Abstandes oder des Aufstellungsortes des Projektors (Rückprojektion, usw.) nicht verwendet werden kann, sollte das zusätzliche Kabel am Fernbedienungs-Kabelanschluß der Fernbedienung und am Fernbedienungs-Kabelanschluß auf der Seite des Projektors angeschlossen werden.

Hinweis:

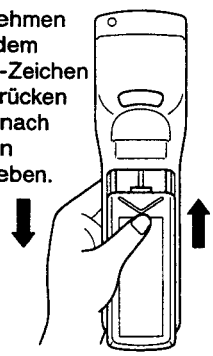
- Wenn das als Sonderzubehör gelieferte Kabel angeschlossen ist, ist der Signalgeber funktionslos.

LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT	RADIACION LASER NO MIRE AL RAYO PRODUCTO LASER CLASE 2
RAYONNEMENT LASER NE PAS REGARDER DANS LE FAISCEAU APPAREIL À LASER DE CLASSE 2	

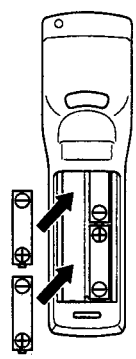
Die Fernbedienung verfügt über einen Laserzeiger, der einen Laserstrahl der Klasse II durch das in der Abbildung gezeigte Laserlicht-Fenster emittiert. Schauen Sie nicht direkt in den Laserstrahl und richten Sie ihn auch nicht auf andere Personen. Die beiden Markierungszeichen links sind Warnaufkleber für den Laserstrahl. Verwenden Sie den Laserstrahl nur bei Temperaturen zwischen 5 °C und 40 °C.

RÜCKSEITE

Zum Abnehmen auf dem Pfeil-Zeichen eindrücken und nach unten schieben.



Die seitlichen Zungen in die Führungen einsetzen und die Abdeckung hineinschieben, bis sie einrastet.



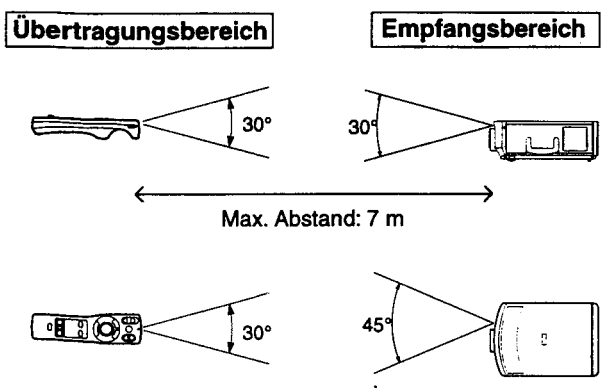
Einsetzen der Batterien

Die Batteriefachabdeckung wie gezeigt abnehmen, vier Batterien (Größe AA) einsetzen und sicherstellen, daß die Polarität den Markierungen (+) und (-) im Batteriefach entspricht.

Hinweise:

Eine falsche Verwendung kann die Batterien zum Auslaufen oder Explodieren bringen.

- Die Batterien unter Beachtung der (+) und (-) Pole wie gezeigt einsetzen.
- Die Batterien aus der Fernbedienung nehmen, wenn sie für längere Zeit nicht verwendet wird.
- Die Batterien immer sauber halten.
- Unterschiedliche Batteriearten nicht zusammen verwenden. Die Lebensdauer der neuen Batterien wird dadurch verkürzt, und die alten Batterien können auslaufen.
- Verbrauchte Batterien sollten sofort entnommen werden, um Auslaufen und Beschädigungen zu vermeiden. Ausgelaufene Batterieflüssigkeit kann zu Hautirritationen führen. Ausgelaufene Batterieflüssigkeit mit einem Tuch entfernen.
- Wegen unterschiedlicher Lagerbedingungen können die mitgelieferten Batterien früher als angegeben verbraucht sein. Verbrauchte Batterien sollten so schnell wie möglich durch neue ausgetauscht werden.



Positionierung der Fernbedienung

Die Fernbedienung wie links gezeigt verwenden.

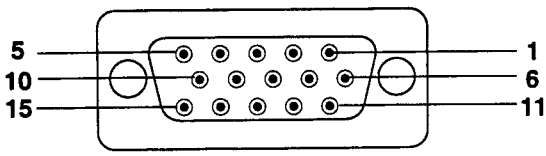
Hinweis:

- Das Signal von der Fernbedienung kann für einen einfachen Betrieb von der Bildwand reflektiert werden. Jedoch kann der wirksame Abstand des Signals aufgrund des Bildwandmaterials Unterschiede aufweisen.

Pinbelegung

Analoger Anschluß für RGB 1 Signalausgang und analoger RGB 1 und 2 Ausgang:

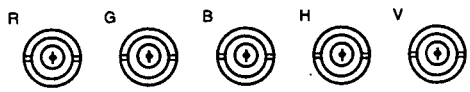
15-Pin Mini-D-Sub-Buchse



Computereingang
Analog

1. Videoeingang (rot)
2. Videoeingang (grün)
3. Videoeingang (blau)
4. Reserveeingang 1
5. Gemischtes Sync.-Signal (nur Mac)
6. Erdung (rot)
7. Erdung (grün)
8. Erdung (blau)
9. NC
10. MASSE
11. MASSE
12. Reserveeingang 2
13. Horizontales Sync.-Signal
14. Vertikales Sync.-Signal
15. Reserveeingang 3

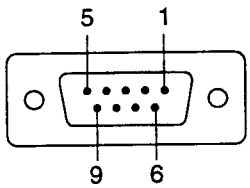
Analoger RGB 2 Signaleingang: 5 BNC



Computereingang
Analog

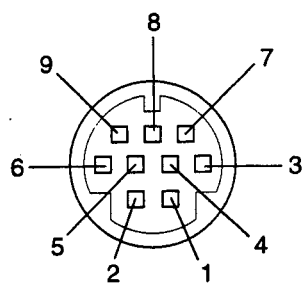
R Videoeingang (rot)
G Videoeingang (grün)
B Videoeingang (blau)
H Horizontales Sync.-Signal
V Vertikales Sync.-Signal

Maus-Eingangs-Anschluß (für IBM/Mac): 9-Pin D-Sub-Buchse



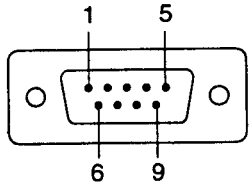
Pin Nr.	Signal	Name	I/O	Referenz
1	CD	Carrier Detect=Trägererfassung	Eingang	An internen Schaltkreis angeschlossen
2	RD	Receive Data=Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Send Data=Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	ER	Equipment ready=Ausrüstung betriebsbereit	Ausgang	An internen Schaltkreis angeschlossen
5	SG	Signal Ground=Signalerdung		An internen Schaltkreis angeschlossen
6	DR	Data Set Ready=Datensatz bereit	Ausgang	Nicht angeschlossen
7	RS	Request to Send=Anforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS	Clear to Send=Sendefreigabe	Eingang	An internen Schaltkreis angeschlossen
9	CI	Ring Indicator=Ring-Anzeige		An internen Schaltkreis angeschlossen

Maus-Eingangs-Anschluß (für NEC PC98-Serie für Japan): 9-Pin Mini-DIN-Steckverbindung



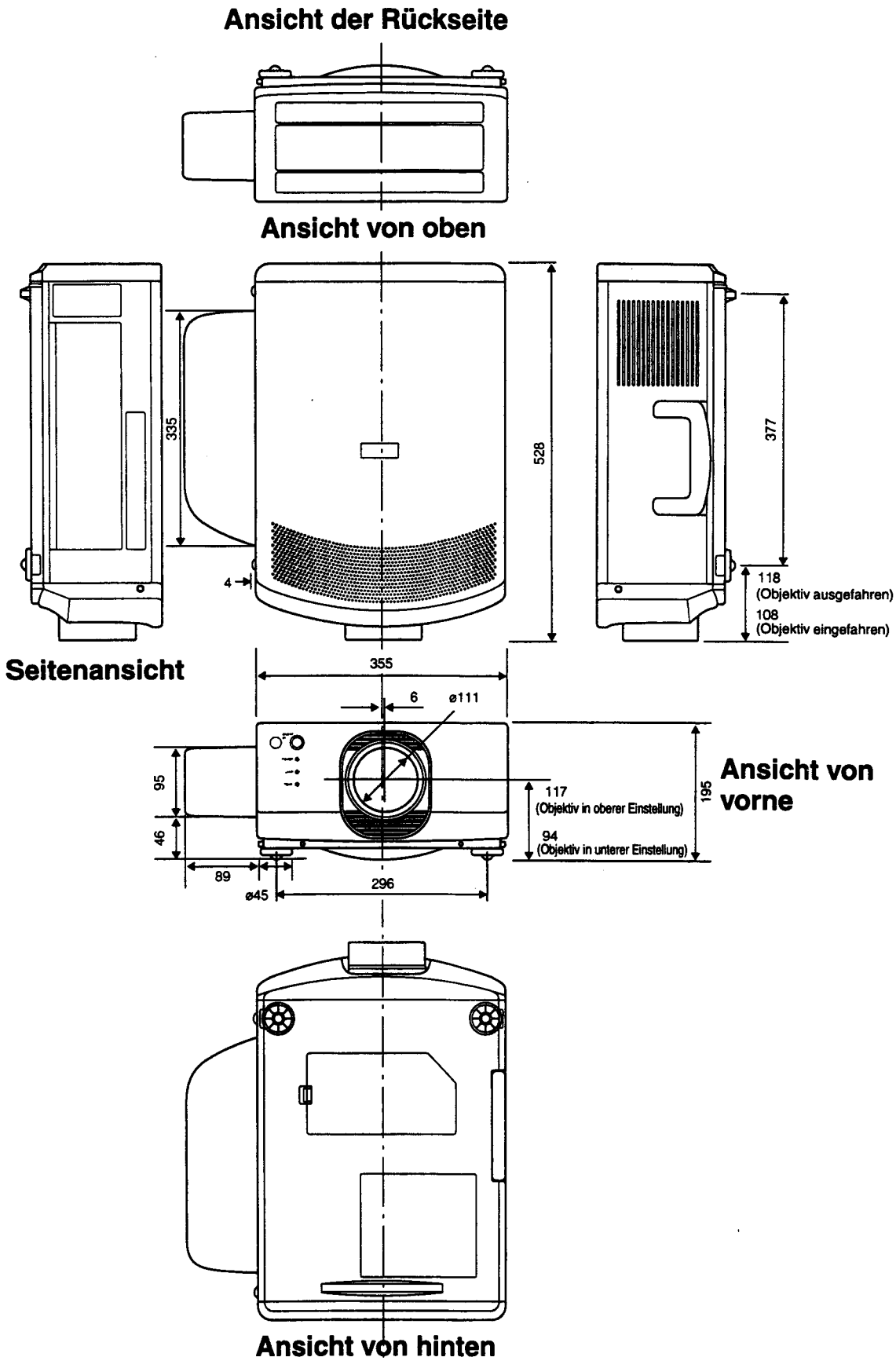
Pin Nr.	Signal	I/O	Referenz
1	+5V	Eingang	Computer-Ausgang
2	XA	Eingang	Computer-Ausgang
3	XB	Eingang	Computer-Ausgang
4	YA	Eingang	Computer-Ausgang
5	YB	Eingang	Computer-Ausgang
6	LINKS	Eingang	Computer-Ausgang
7	NC	Eingang	Nicht angeschlossen
8	RECHTS	Eingang	Computer-Ausgang
9	MASSE		Computer-Ausgang

RS-232C-Anschluß: 9-Pin D-Sub-Stecker



Pin Nr.	Signal	Name	I/O	Referenz
1	CD			Nicht angeschlossen
2	RD	Receive Data=Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Send Data=Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	ER			Nicht angeschlossen
5	SG	Signal Ground=Signalerdung		An internen Schaltkreis angeschlossen
6	DR	Data Set Ready=Datensatz bereit	Ausgang	Nicht angeschlossen
7	RS	Request to Send=Anforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS			Nicht angeschlossen
9	CI			Nicht angeschlossen

Abmessungen



[Einheit: mm]

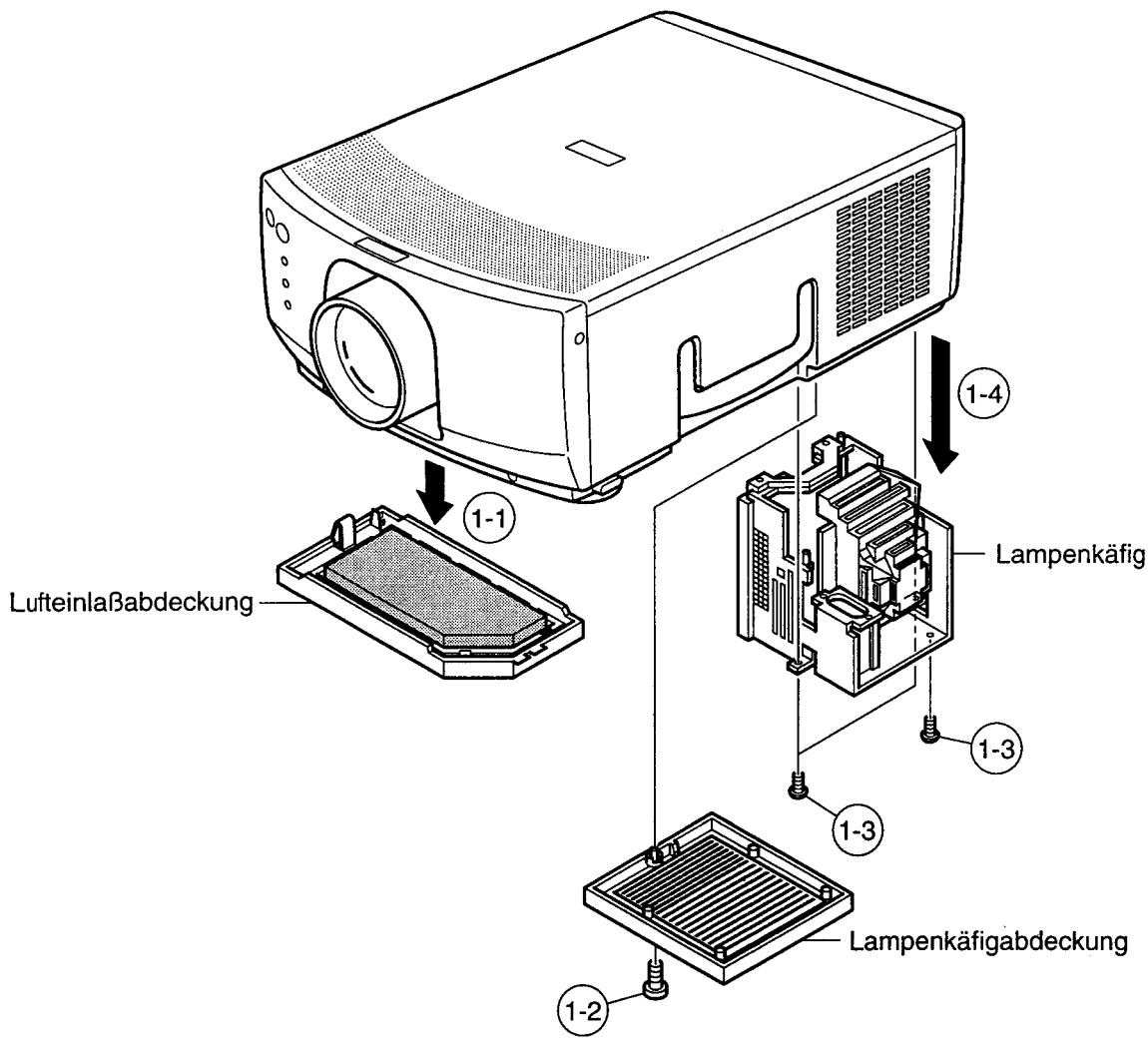
ENTFERNEN DER HAUPTTEILE

1. Entfernen der Lampenkäfigeinheit und der Lufteinlaßabdeckung

1-1. Die Lufteinlaßabdeckung abnehmen.
1-2. Die Schrauben losdrehen und die Lampenkäfigabdeckung abnehmen.
1-3. Die drei Schrauben von der Lampenkäfigeinheit losdrehen.
1-4. Die Lampenkäfigeinheit abziehen.

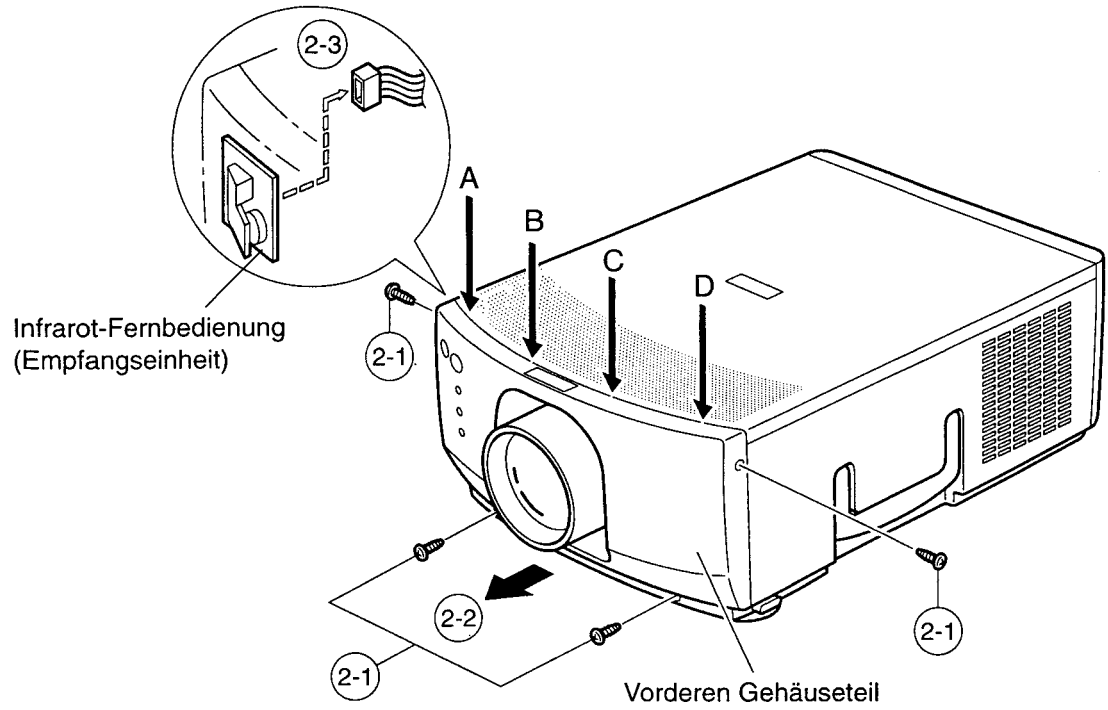
Hinweise:

- Vor dem Auswechseln den Betriebstaste der Projektors ausschalten, darauf acten, daß das Kühlgebläse zum Stillstand kommt, und den Netzstecker herausziehen.
- Die Lampe kann immer noch sehr heiß sein. Die Betriebstaste ausschalten, den Netzstecker herausziehen und wenigstens 1 Stunde vor dem Arbeiten warten.
- Bei Anpassen des Lampenkäfigs in Stellung darauf achten, daß sich der Stecker nach oben befindet.



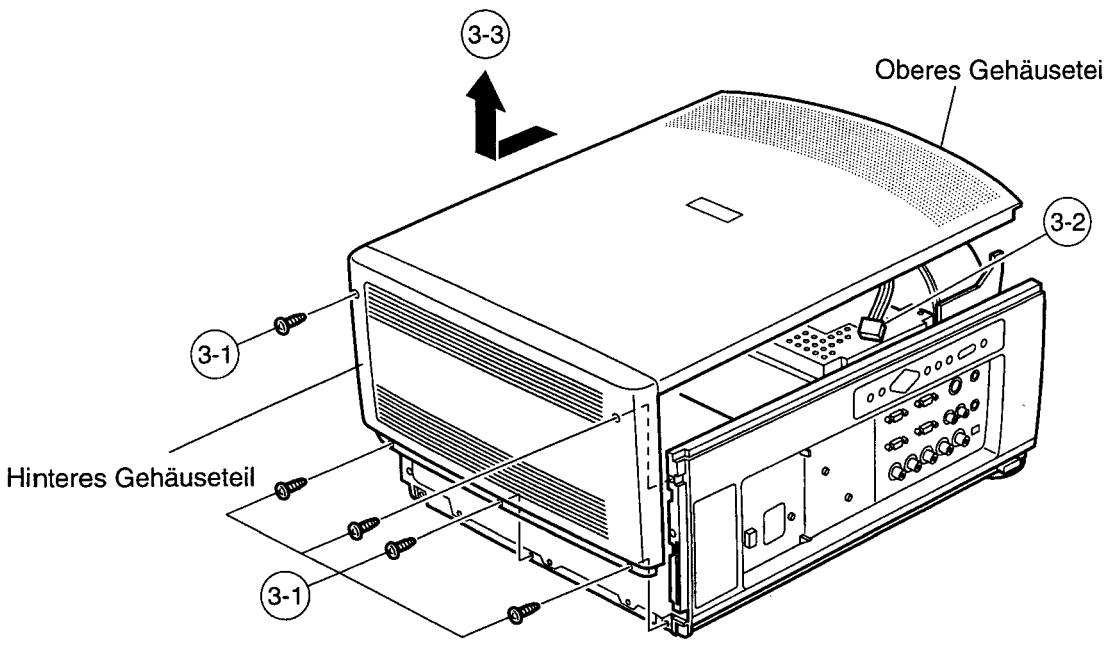
2. Entfernen des vorderen Gehäuseteils

2-1. Die vier rechten und linken Schrauben von der Unterseite des vorderen Gehäuseteils losdrehen.
2-2. Die Haken des oberen Gehäuseteils A, B, C, und D vorsichtig nach unten drücken, um das vordere Gehäuseteil zu lösen. Nun das vordere Gehäuseteil abnehmen.
2-3. Den Steckverbinder der Fernbedienung abziehen.



3. Entfernen des oberen und hinteren Gehäuseteils

3-1. Die fünf Schrauben vom oberen und dem hinteren Gehäuseteil losdrehen.
3-2. Den Lautsprecheranschluß abziehen.
3-3. Das obere Gehäuseteil zurückschieben, um das obere und hintere Gehäuseteil voneinander zu trennen.

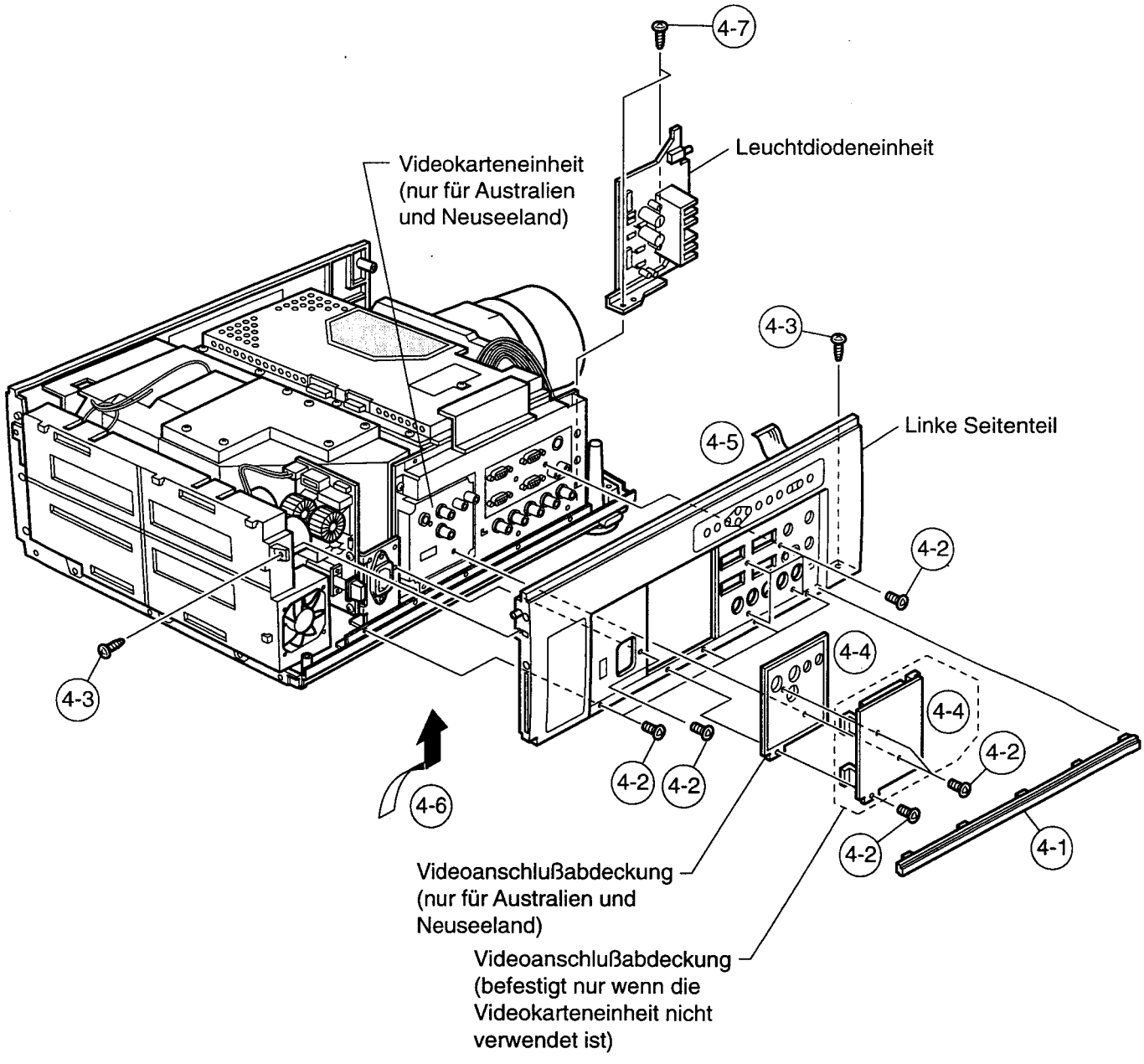


4. Entfernen des linken Seitenteils

4-1. Einen Flachkopf-Schraubendreher in das äußerste rechte Loch der Schraubenabdeckung einführen. Nun das rechte Ende der Abdeckung anziehen und öffnen, danach die gesamte Abdeckung anziehen und abnehmen.
4-2. Die zwölf seitlichen Schrauben losdrehen.
4-3. Die beiden Schrauben vom seitlichen Gehäuseteil losdrehen.
4-4. Die Video-Anschlußplatine abtrennen.
4-5. Den Membranschalter-Steckverbinder abziehen.
4-6. Das linke Seitenteil nach unten ziehen und entfernen.
4-7. Die beiden Schrauben von der Leuchtdioden-Platineneinheit losdrehen.

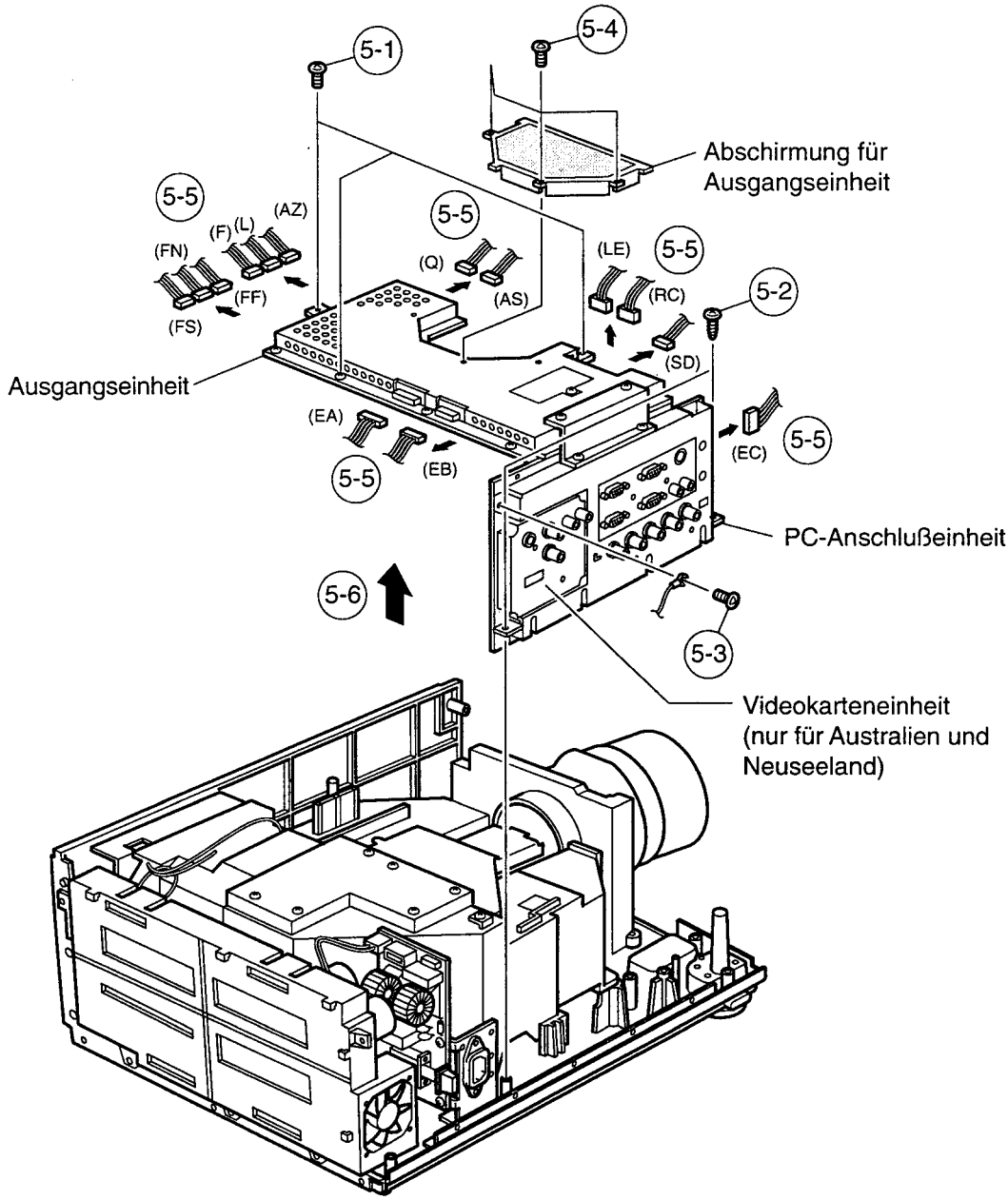
Hinweis:

- Die LCD-Projektor für die australischen und neuseeländischen Märkie sind serienmäßig mit der Videokarteneinheit ausgerüstet. Diese Einheit ist jedoch eine Sondereinrichtung für anderen Gebiete.



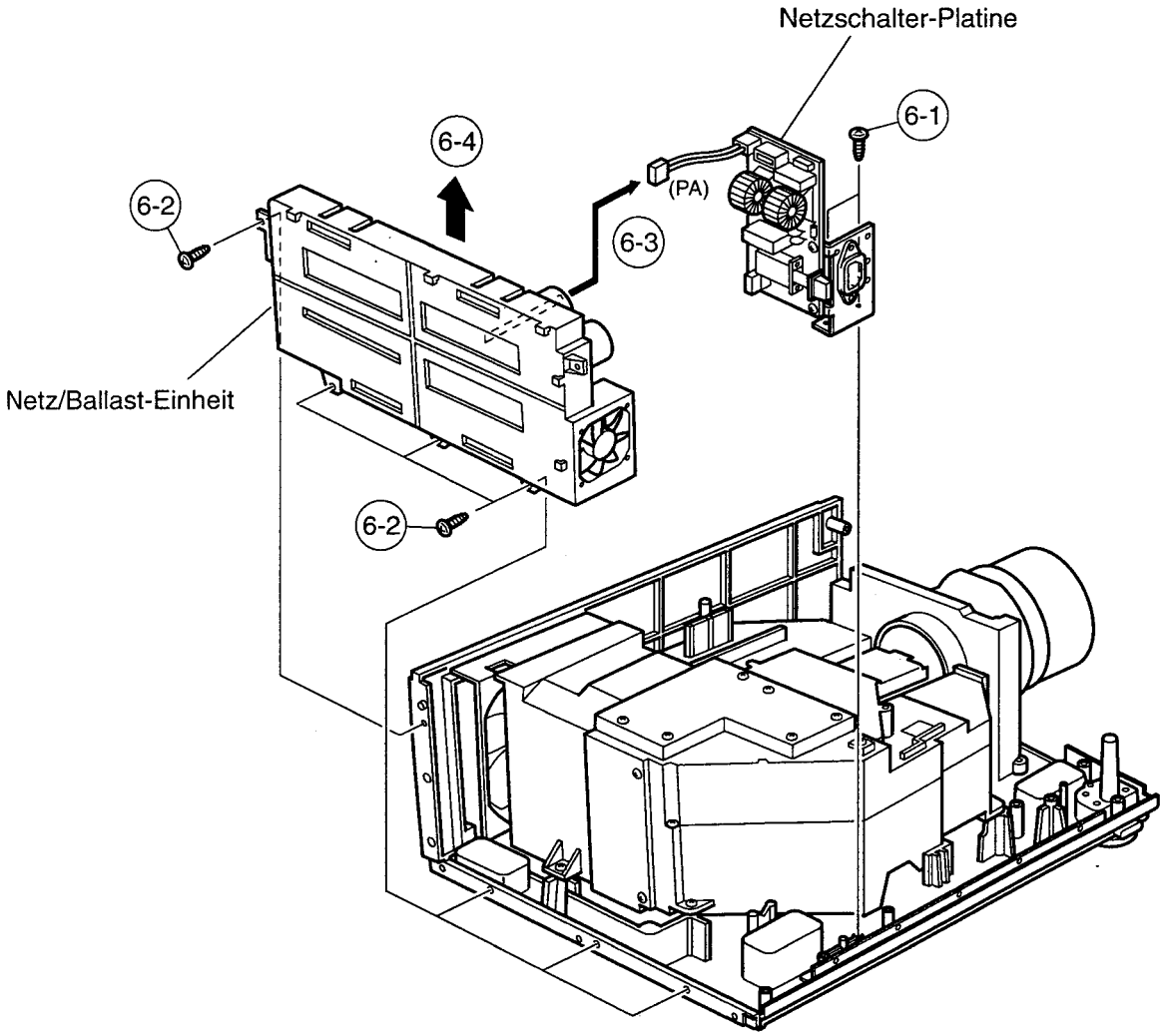
5. Abtrennen der Signal- und Ausgangsplatine

5-1. Die drei Schrauben von der optischen Mechanismuseinheit losdrehen.
5-2. Die beiden Schrauben vom unteren Gehäuseteil losdrehen.
5-3. Die Schraube von der Signalplatineneinheit losdrehen.
5-4. Die drei Schrauben von der Ausgangsplatineneinheit losdrehen.
5-5. Die Steckverbinder von den Signal- und Ausgangsplatineneinheiten abziehen.
5-6. Die Platineneinheiten entfernen.



6. Entfernen der Netz/Ballast-Platine

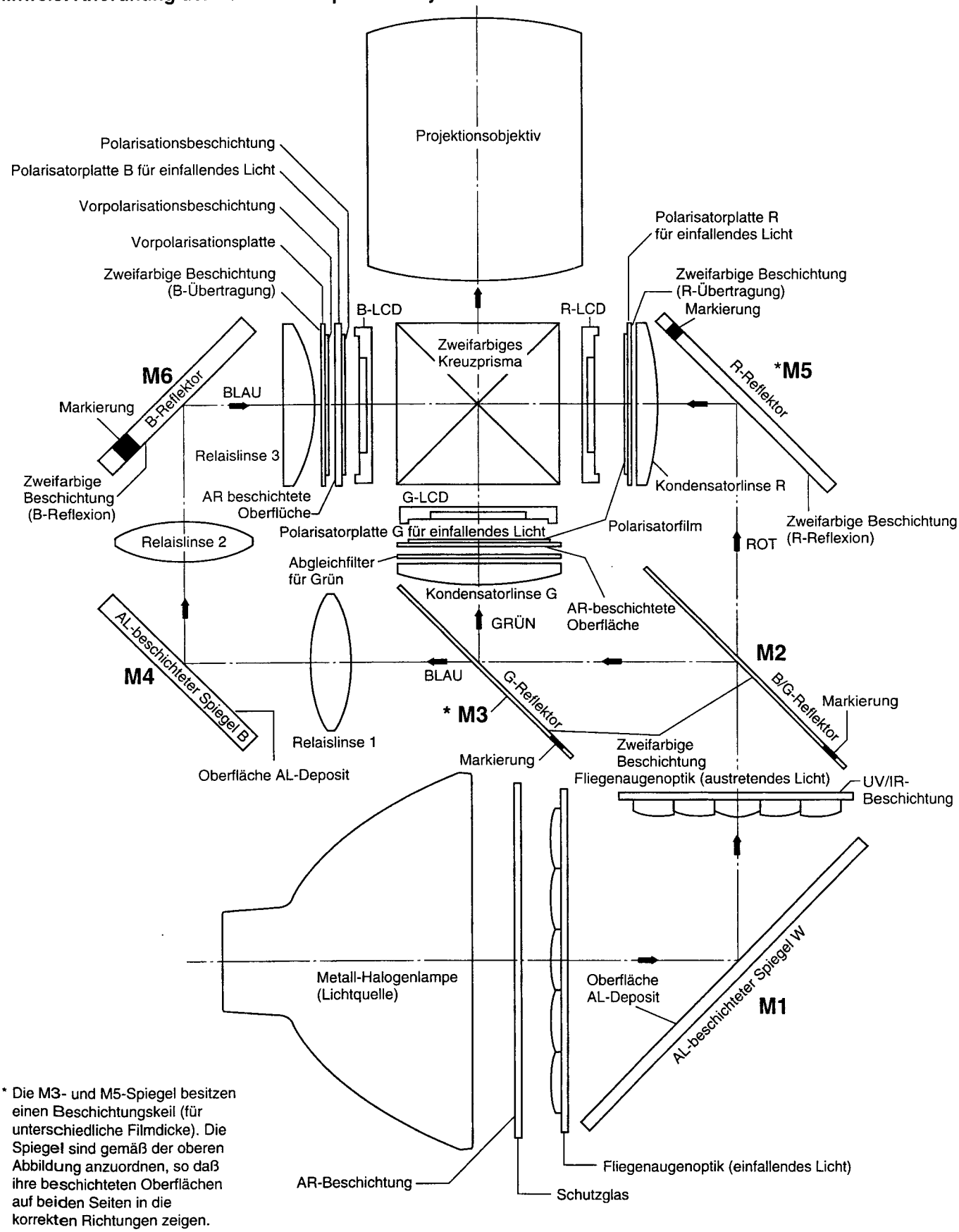
6-1. Die beiden Schrauben von der Netzschalter-Platine am unteren Gehäuseteil losdrehen.
6-2. Die vier Schrauben vom Netz/Ballast-Halter losdrehen (an der Rückseite).
6-3. Die Steckverbinder abziehen.
6-4. Die Platinen entfernen.



ÜBERSICHT DER OPTIKEINHEIT

Übersicht des optischen Systems

Hinweis: Anordnung der Bauteile im optischen System



* Die M3- und M5-Spiegel besitzen einen Beschichtungskeil (für unterschiedliche Filmdicke). Die Spiegel sind gemäß der oberen Abbildung anzuordnen, so daß ihre beschichteten Oberflächen auf beiden Seiten in die korrekten Richtungen zeigen.

EINSTELLUNG VON KONVERGENZ UND BRENNPUNKT

- **Mit den Konvergenz- und Brennpunkteinstellungen bei eingeschaltetem Gerät und ohne vorderen, oberen, hinteren und linken Gehäuseteil sowie ohne Signalabschirmung beginnen. Das Bild ist mit der Fernbedienung einzustellen. Folgende Schritte ausführen:**

1. Fokussieren des Projektionsobjektivs

(A) Auswechseln aller 3 Flüssigkristallanzeigen (LCD)

1. Vor dem Auswechseln aller 3 Flüssigkristallanzeigen ist ein Bild auf die Leinwand zu projizieren und scharf einzustellen.
2. Die Flüssigkristallanzeigen durch neue ersetzen. Solange der Brennpunkt jedoch nicht vollständig eingestellt ist, sicherstellen, daß der Abstand zwischen dem Projektor und der Leinwand nicht verändert wird. Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden.

(Wenn der Fokussierring mit einem unterschiedlichen Positionsverhältnis nachgestellt wird, wird das Verhältnis zwischen der Projektionsdistanz und der Leinwandgröße beeinflußt. Mit anderen Worten gesagt, kann ein Kurzdistanz-Bild (z.B. 40 mm Weitwinkel) außerhalb des Fokusbereichs liegen, während eine Zoomaufnahme (z.B. 300 Teleobjektiv) ebenfalls außerhalb des zulässigen Bereichs liegt.)

(B) Auswechseln von nur 1 oder 2 Anzeigen

1. Wenn nach dem Auswechseln von einer oder zwei LCD-Anzeigen eine Brennpunkteinstellung vorgenommen wird, ein Bild auf die Leinwand projizieren, dann Fokussierring verstellen, um die nicht ausgewechselte LCD-Anzeige in den Brennpunkt zu bringen.
2. Solange der Brennpunkt für beide neuen LCD-Anzeigen jedoch noch nicht vollständig abgeschlossen ist, unbedingt darauf achten, daß der Abstand zwischen dem Gerät und der Leinwand nicht verändert wird.

(Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden. Wenn der Fokussierring verdreht oder das Projektionsobjektiv erneut eingestellt wurde, sind die obigen Schritte 1 und 2 zu wiederholen.)

2. Einstellen der G-LCD-Anzeige

(A) Brennpunkteinstellung (Diese Einstellung nur auf weißer Leinwand vornehmen.)

1. Rechte und linke Fokuseinstellung (θY-Richtung)
   Die Sicherungsschrauben "b" und "c" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "b" oder "c" einführen. Den Schraubendreher solange drehen, bis sich die linke und rechte Hälfte auf der Leinwand im Brennpunkt befinden.
2. Brennpunkteinstellung (oben - Mitte - unten) (θX- und Z-Richtung):
   Die Sicherungsschrauben "a" und "b" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "a" einführen. Den Schraubendreher solange drehen, bis sich die obere Hälfte, die Mitte und die untere Hälfte im Brennpunkt befinden. Bei der Einstellung des Brennpunkts (oben nach unten) ist die Sicherungsschraube "c" vorübergehend festzuziehen, um die θY-Richtungseinstellung zu fixieren.
3. Die obigen Schritte 1 und 2 wiederholen, um den Brennpunkt feineinzustellen. Schließlich sämtliche Sicherungsschrauben gut festziehen.

Hinweis:

① Mit der Brennpunkteinstellung vorsichtig voranschreiten, da die Einstellpositionen in gegenseitigem Bezug zueinander stehen.

② Bei der Einstellung der Konvergenz und des Brennpunkts darauf achten, daß das Zoomobjektiv und die Einstellringe bis zur Beendigung aller Einstellungen nicht verstellt werden.

(B) Einstellung der Konvergenz

- Die G-LCD-Anzeige besitzt keinen Konvergenz-Einstellmechanismus. Diese Anzeige als Referenz für die Konvergenzeinstellung benutzen.

3. Einstellung der B-LCD-Anzeige (gleich wie für R-LCD-Anzeige)

(A) Brennpunkteinstellung

- Das gleiche Verfahren wie bei der Brennpunkteinstellung der G-LCD-Anzeige vornehmen. Es wird darauf hingewiesen, daß der Einstellbereich in Z-Richtung klein ist. Sollten die Konvergenzwerte zwischen der B-LCD-Anzeige und der G-LCD-Anzeige zu unterschiedlich sein, die Konvergenz zuerst grobeinstellen und dann die Brennpunkteinstellung vornehmen.

(B) Konvergenzeinstellung

- Für diese Einstellung ist ein Kreuzschraffier-Muster zu benutzen.
  Die Einstellung ist ausschließlich für die G-Farbe und die zutreffende Farbe.
  (1) Die Konvergenz-Sicherungsschraube "d" lockern.
  (2) Die B-LCD-Anzeige in den Richtungen X, Y und θZ einstellen, wobei die Leinwandmitte der G-LCD-Anzeige als Referenz herangezogen werden muß.
  (3) Schließlich die Konvergenz-Sicherungsschraube "d" festziehen.

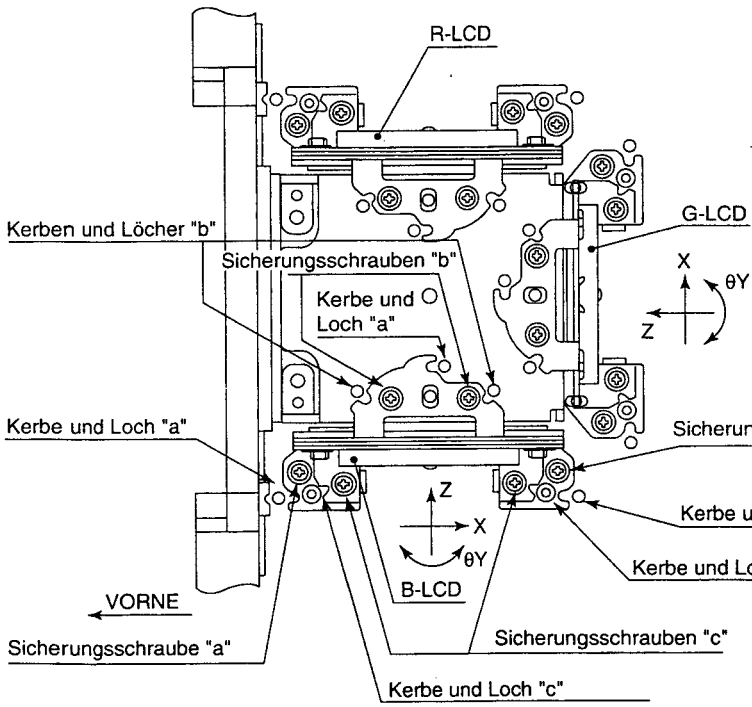
Hinweis:

① Der exzentrische Nocken wird für die Einstellung der Konvergenz benutzt. Das bedeutet daß sich der Nocken dreht und die Linearbewegung nicht immer gleichmäßig verläuft.

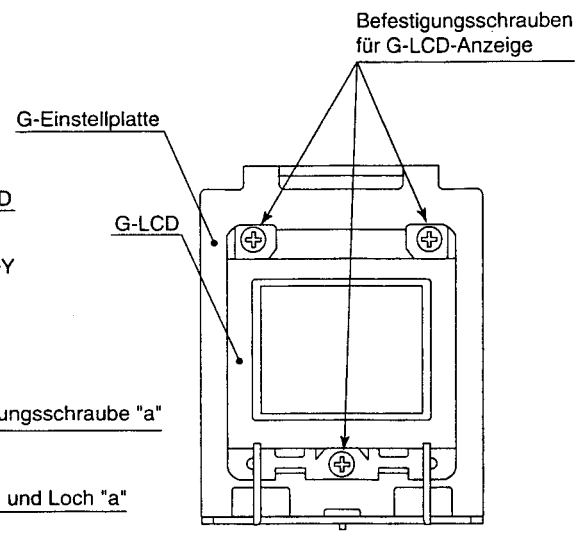
② Dieses Modell ist nicht mit einem LCD-Bildeinstellmechanismus ausgerüstst. Der Grund liegt in der Benutzung des zweifarbigen Prismas für die Bildformierung. Wenn alle LCD-Anzeigen optimal fokussiert sind, sind die Bilder fast vollständig konvergiert.

Konvergenz- und Brennpunkt-Einstellmechanismus

DRAUFSICHT



SEITENANSICHT



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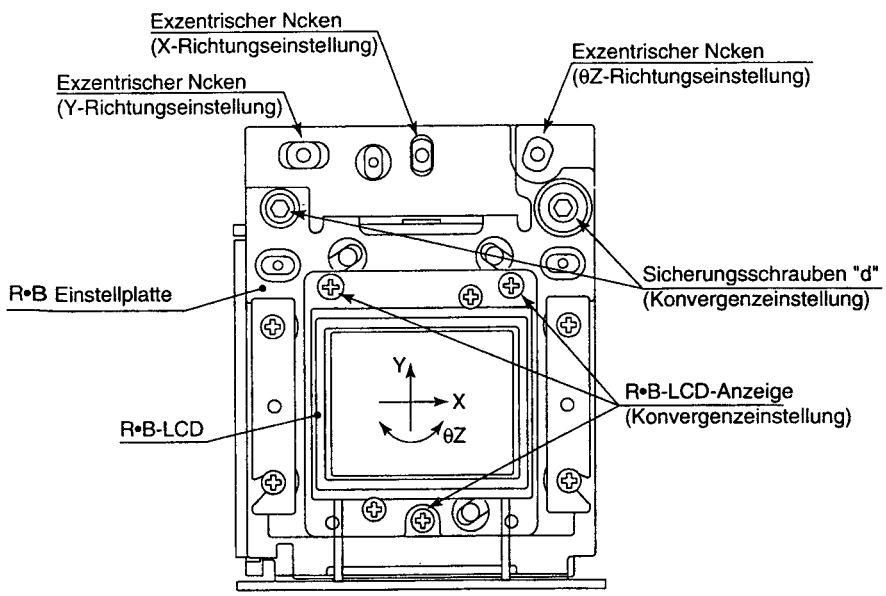


Konvergenz- und Brennpunkteinstellungen auf einen Blick

Einstellrichtungen

Einstellung	Richtung	Definition	Richtung der LCD-Anzeige
Konvergenz	X-Richtung		LCD rechts und links
	Y-Richtung		LCD oben und unten
	θZ-Richtung	Drehung um die Z-Achse	LCD-Drehachse
Brennpunkt	Z-Richtung		LCD, optische Achse
	θX-Richtung	Drehung um die X-Achse	LCD, oben bis unten (flattert)
	θY-Richtung	Drehung um die Y-Achse	LCD, rechts bis links (flattert)

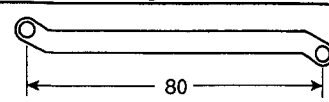
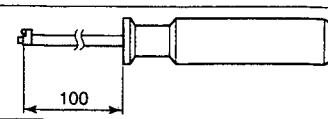
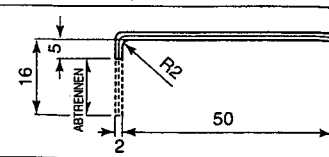
Konvergenz- und Brennpunkteinstellung für den Optikmechanismus XG-SV1

Farbe	Einstellung	Richtung	Bewegung	Position	Einstellwerkzeug	Sicherungsschraube	Festziehwerkzeug
R/B -Farben	Konvergenz	X-Richtung	±0.8mm	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		Y-Richtung	±0.8mm	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		θZ-Richtung	±1°	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
	Brennpunkt	Z-Richtung	±1mm	Kerbe und Loch "a" und "c"	Exzentrischer Schraubendreher	a, c	Kreuzschlitz -Schraubendreher
		θX-Richtung	±1°	Kerbe und Loch "a" und "c"		a, c	
		θY-Richtung	±1°	Kerbe und Loch "b" und "c"		b, c	
G-Farbe	Brennpunkt	Z-Richtung	±0.5mm	Gleich wie für R- und B-Farben			
		θX-Richtung	±1°				
		θY-Richtung	±1°				

Brennpunkteinstellung in die andere Richtung

Sicherungsschraube	Position	Zugehörige Richtung
a	Kerbe und Loch "a"	Richtungen Z und θX
b	Kerbe und Loch "b"	θY-Richtung
c	Kerbe und Loch "c"	Richtungen Z, θX und θY

Konvergenz- und Brennpunkteinstellung sowie Festziehwerkzeuge

Werkzeug	Spezifisch oder allgemein	Werkzeugcode	Konfiguration
Exzentrischer Nockeneinstellschlüssel	spezifisch	9DASPN-XGNV1U	
Exzentrischer Schraubendreher	spezifisch	9EQDRiVER-NV1A	
Innensechskantschlüssel	allgemein (verändert)	9EQLNC-XGNV1U	
Kreuzschlitz-Schraubendreher	allgemein	—	Für Linsenrundkopfschraube M2.6

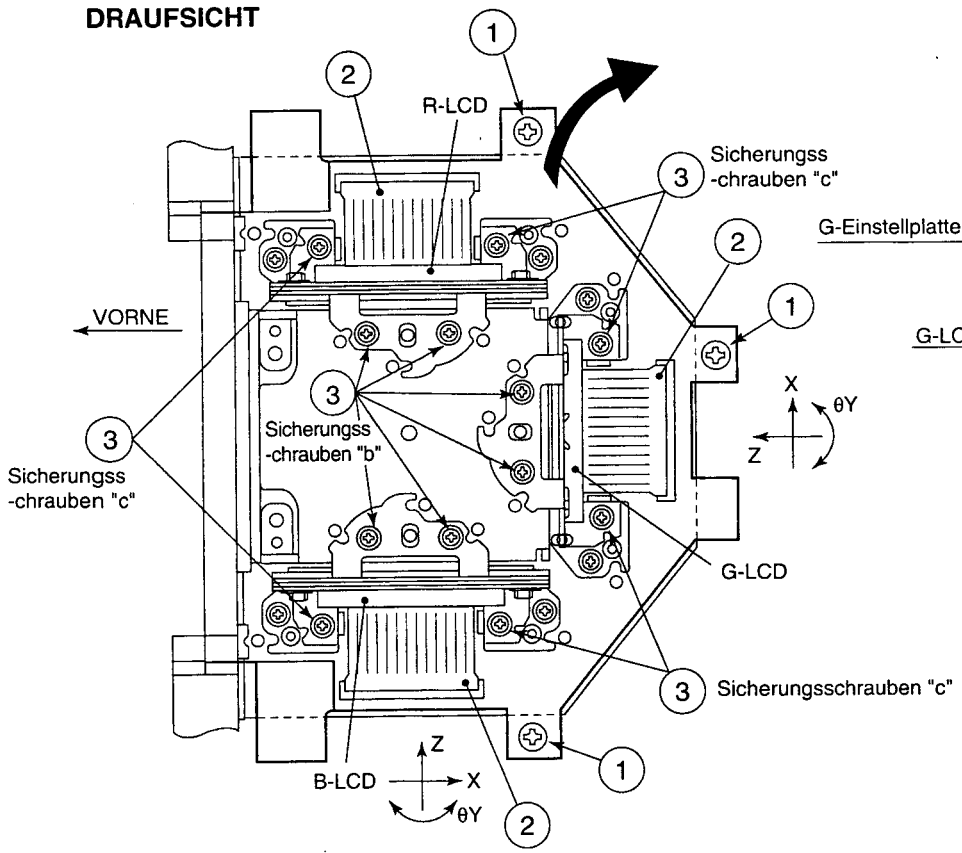
Auswechseln der LCDs

Bei entferntem oberen Gehäuseteil:

(1) Die drei Schrauben von der Ausgangseinheit-Abschirmung losdrehen.
(2) Das LCD-Flachkabel vom Platinen-Ausgangsstecker abklemmen.
(3) Die Sicherungsschrauben "b" und "c" losdrehen. Die R/B-Einstellplatte abnehmen, oder die G-Einstellplatte zusammen mit der LCD-Anzeige entfernen.
(4) Die LCD-Anzeige von der Einstellplatte trennen.
(5) Eine neue LCD-Anzeige in umgekehrter Reihenfolge der vorhergehenden Schritte (1), (2), (3) und (4) montieren.

* Die Konvergenz und den Brennpunkt erneut einstellen. Es wird darauf hingewiesen, daß die G-LCD-Anzeige keine Konvergenzeinstellung erforderlich macht und in Z-Richtung nur einen kleinen Einstellbereich aufweist.

DRAUFSICHT



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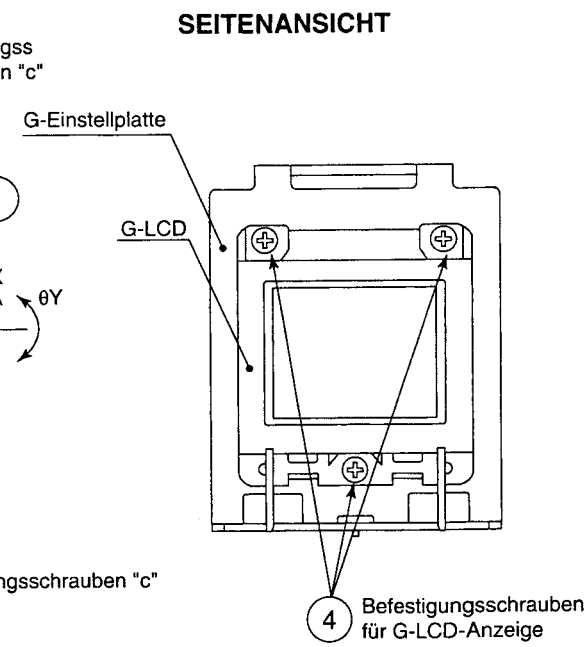

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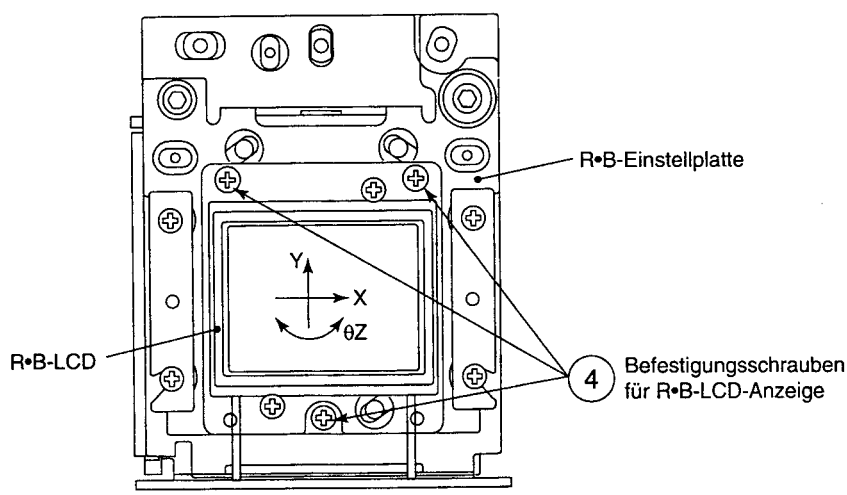


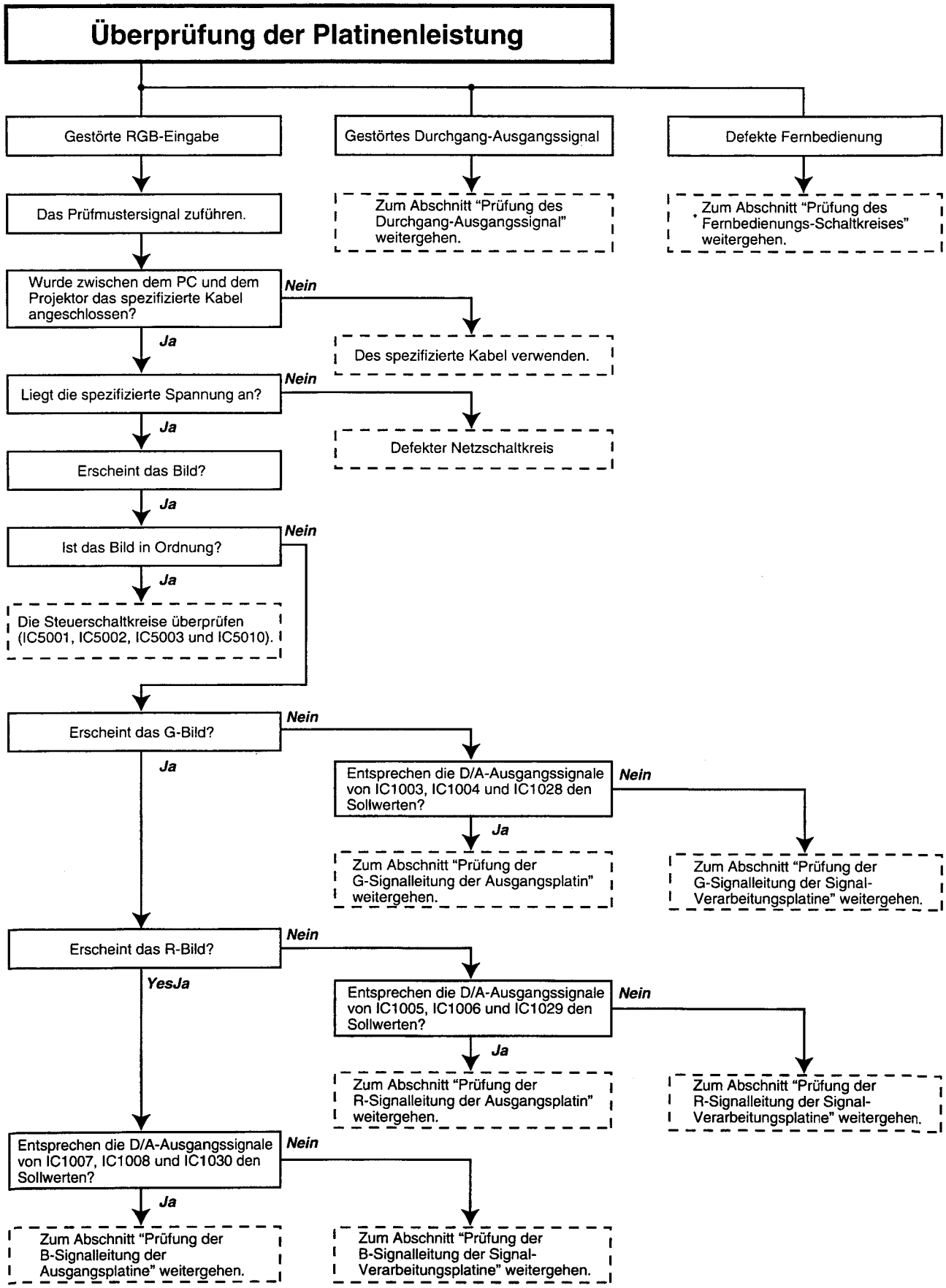
ELEKTRISCHE EINSTELLUNG

HINWEIS: Sämtliche Einstellungen wurden bereits werkseitig optimal ausgeführt. Wenn nach dem Auswechseln von Bauteilen bestimmte Werte nicht mehr den Sollwerten entsprechen, sind die entsprechenden Einstellungen vorzunehmen.

Schritt	Einstellposition	Einstellbedingungen	Einstellmethode
1	**Initialisierung des EEPROM**	1. Das Gerät einschalten (Sicherstellen das die Lampe aufleuchtet) und für 15 min aufwärmen.	• Wie folgt einstellen: Werkseinstellung: Einstellung auf der Fernbedienung S2: Beim Versand auf 2 einstellen.
2	**Verlust bei RGB-Eingang**	1. Das Schwarzsignal (100%) zuführen. Gruppe :A/D Gegenstand :ROS (rot) GOS(grün) BOS (blau)	• Den Membranschalter oder die Fernbedienungstaste verwenden, um durch die Einstellung der Daten weniger Bit-Geräusche zu erzielen.
3	**RGB-Verstärkung-seinstellung**	1. Das Grünsignal (100%) zuführen. Gruppe :A/D Gegenstand :VERSTÄRKUNG	• Den Membranschalter oder die Fernbedienungstaste verwenden, um durch die Einstellung der Daten weniger Bit-Geräusche zu erzielen.
4	**R-Antrieb-Einstellung**	1. Das Rotsignal (100%) zuführen. Gruppe :A/D Gegenstand :R-ANTRIEB	• Den Membranschalter oder die Fernbedienungstaste verwenden, um durch die Einstellung der Daten weniger Bit-Geräusche zu erzielen.
5	**B-Antrieb-Einstellung**	1. Das Blausignal (100%) zuführen. Gruppe :A/D Gegenstand :B-ANTRIEB	• Den Membranschalter oder die Fernbedienungstaste verwenden, um durch die Einstellung der Daten weniger Bit-Geräusche zu erzielen.
6	**Grobeinstellung der Spannung für Weiß**	Gruppe :AUSGANG Gegenstand :RW, GW, BW	• Den Membranschalter oder die Fernbedienungstaste verwenden, um durch die Daten so einzustellen, daß 60 angezeigt wird.
7	**Grobeinstellung der Spannung für Schwarz**	Gruppe :AUSGANG Gegenstand :RW, GW, BW	• Den Membranschalter oder die Fernbedienungstaste verwenden, um durch die Daten so einzustellen, daß 196 angezeigt wird.
8-1	**Einstellung der Weißbalance**	1. Das Grauskalensignal zuführen. Gruppe :AUSGANG Gegenstand :RW RB, GW GB, BW BB	• Den Membranschalter oder die Fernbedienungstaste verwenden, um die Daten einzustellen. • Die Schwarzspannung durch eine Veränderung im Weißspannungspegel einstellen. (Weißspannung + Schwarzspannung muß unter 280 betragen)
8-2	**Einstellung der RGB-Schwarz- und Weißspannung**	1. Das ANSI-Signal zuführen. Gruppe :A/D Gegenstand :HELLIGKEIT, VERSTÄRKUNG	•HELLIGKEIT : Den Membranschalter oder die Fernbedienungstaste verwenden, um durch die Daten so einzustellen, daß 130 angezeigt wird. •VERSTÄRKUNG : Die Daten einstellen, so daß der Wert 7 Punkten unter dem Wert des Postens 3 steht.

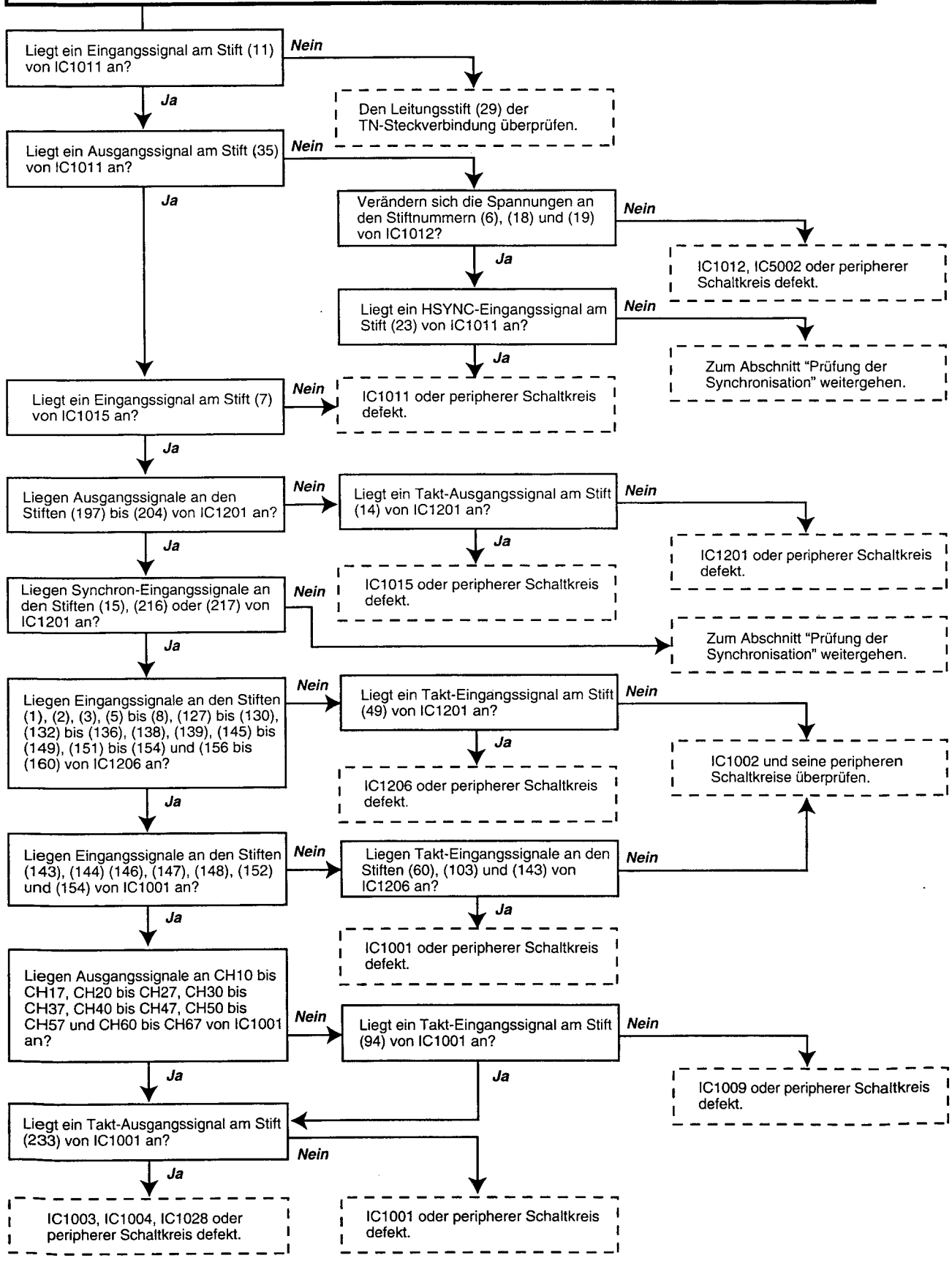
Schritt	Einstellposition	Einstellbedingungen	Einstellmethode
9-1	**Einstellung der Gegenspannung**	1. Das schwarz/rot (25%) Streifensignal (SVGA) zuführen. Gruppe :AUSGANG Gegenstand :RC (rot)	• Den Membranschalter oder die Fernbedienungstaste verwenden, um die Daten so einzustellen, daß das Flimmern so gering wie möglich ist.
9-2	**Einstellung der Gegenspannung**	1. Das schwarz/grün (25%) Streifensignal (SVGA) zuführen. Gruppe :AUSGANG Gegenstand :GC (grün)	• Den Membranschalter oder die Fernbedienungstaste verwenden, um die Daten so einzustellen, daß das Flimmern so gering wie möglich ist.
9-3	**Einstellung der Gegenspannung**	1. Das schwarz/blau (25%) Streifensignal (SVGA) zuführen. Gruppe :AUSGANG Gegenstand :BC (blau)	• Den Membranschalter oder die Fernbedienungstaste verwenden, um die Daten so einzustellen, daß das Flimmern so gering wie möglich ist.
10	**Werks-einstellungen**		• Die folgenden Einstellungen vornehmen. Werkseinstellung: S4 Einstellung auf der Fernbedienung: Vorauslieferungs-Einstellung auf 4

STÖRUNGSSUCHTABELLE



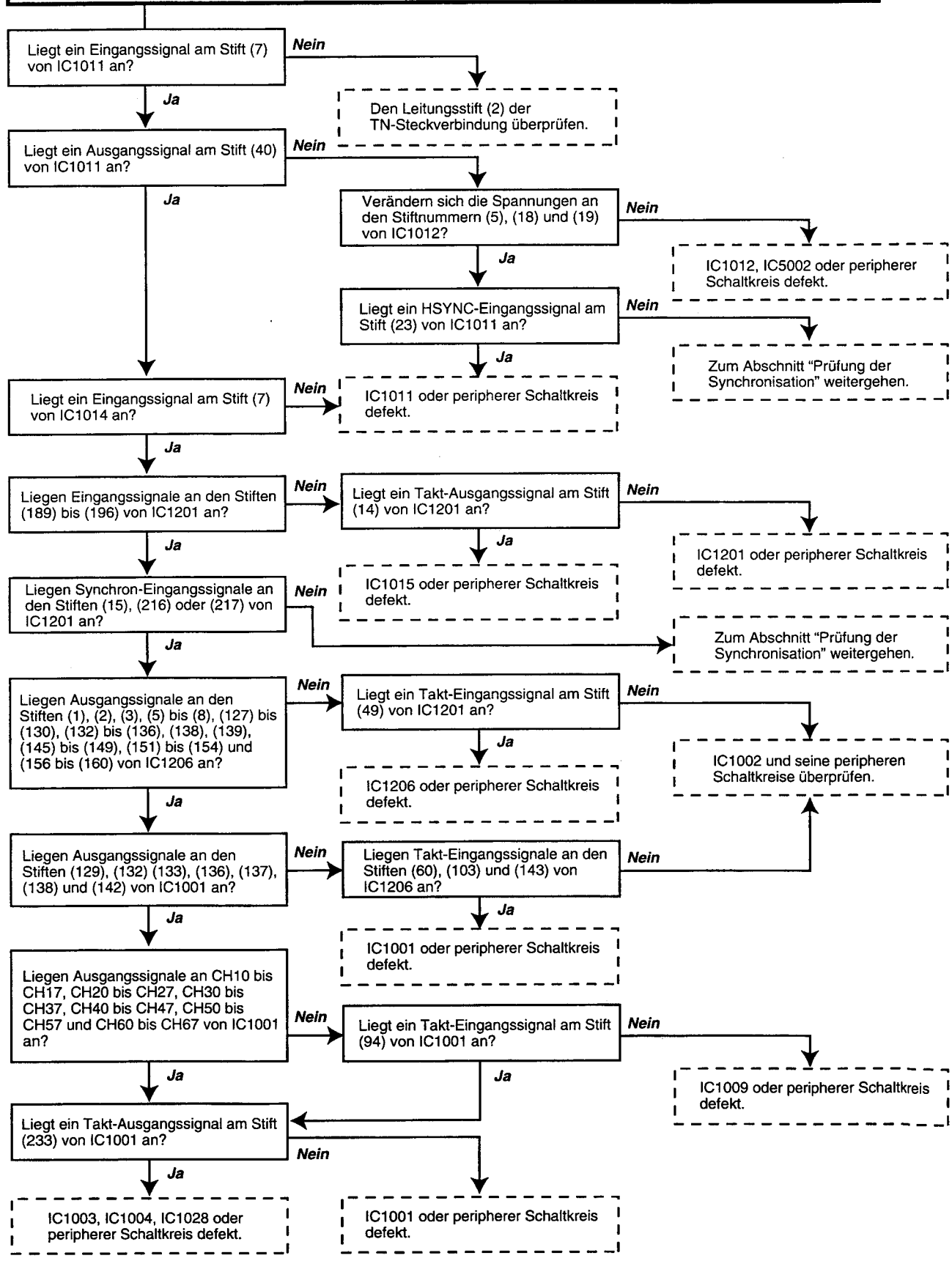
STÖRUNGSSUCHTABELLE (fortgesetzt)

Überprüfung der G-Signalleitung der Signal-Verarbeitungsplatine



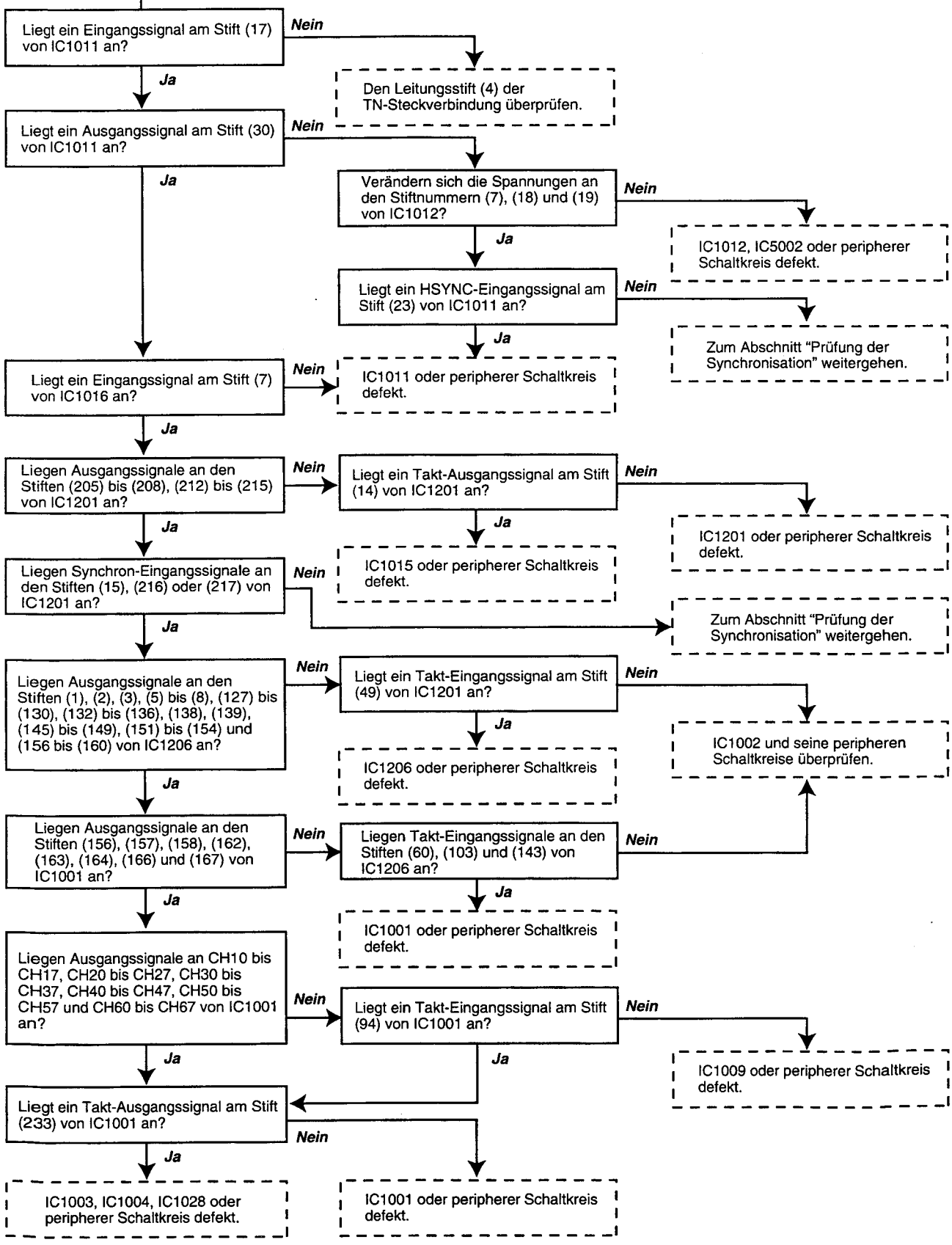
STÖRUNGSSUCHTABELLE (fortgesetzt)

Überprüfung der R-Signalleitung der Signal-Verarbeitungsplatine



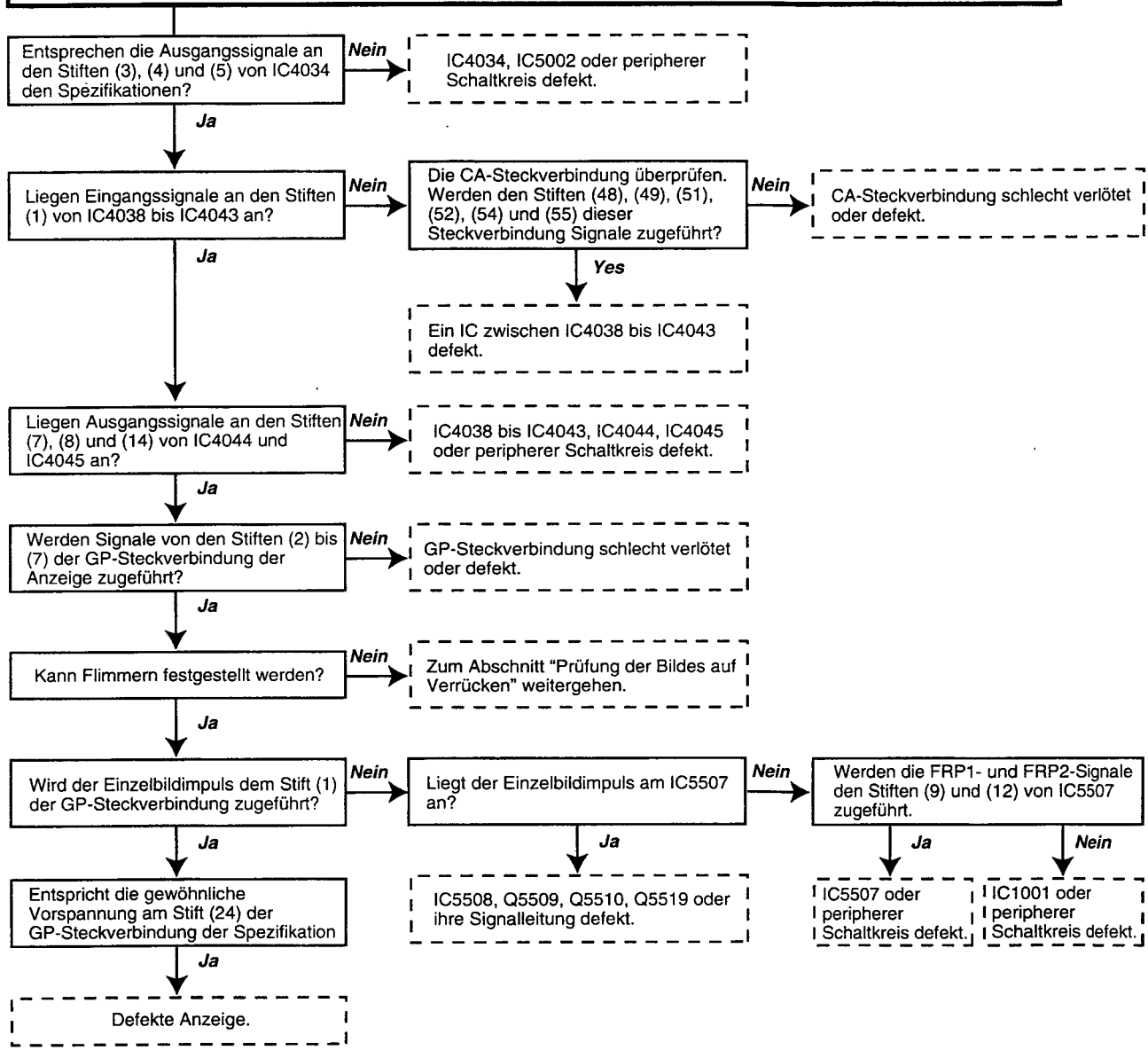
STÖRUNGSSUCHTABELLE (fortgesetzt)

Überprüfung der B-Signalleitung der Signal-Verarbeitungsplatine

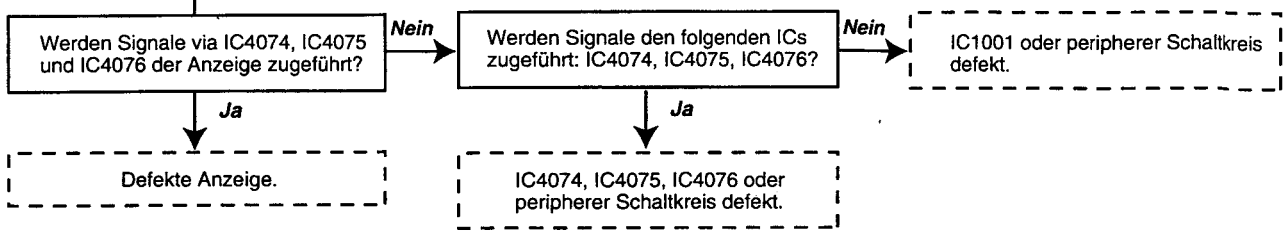


STÖRUNGSSUCHTABELLE (fortgesetzt)

Überprüfung der G-Signalleitung der Signal-Verarbeitungsplatine

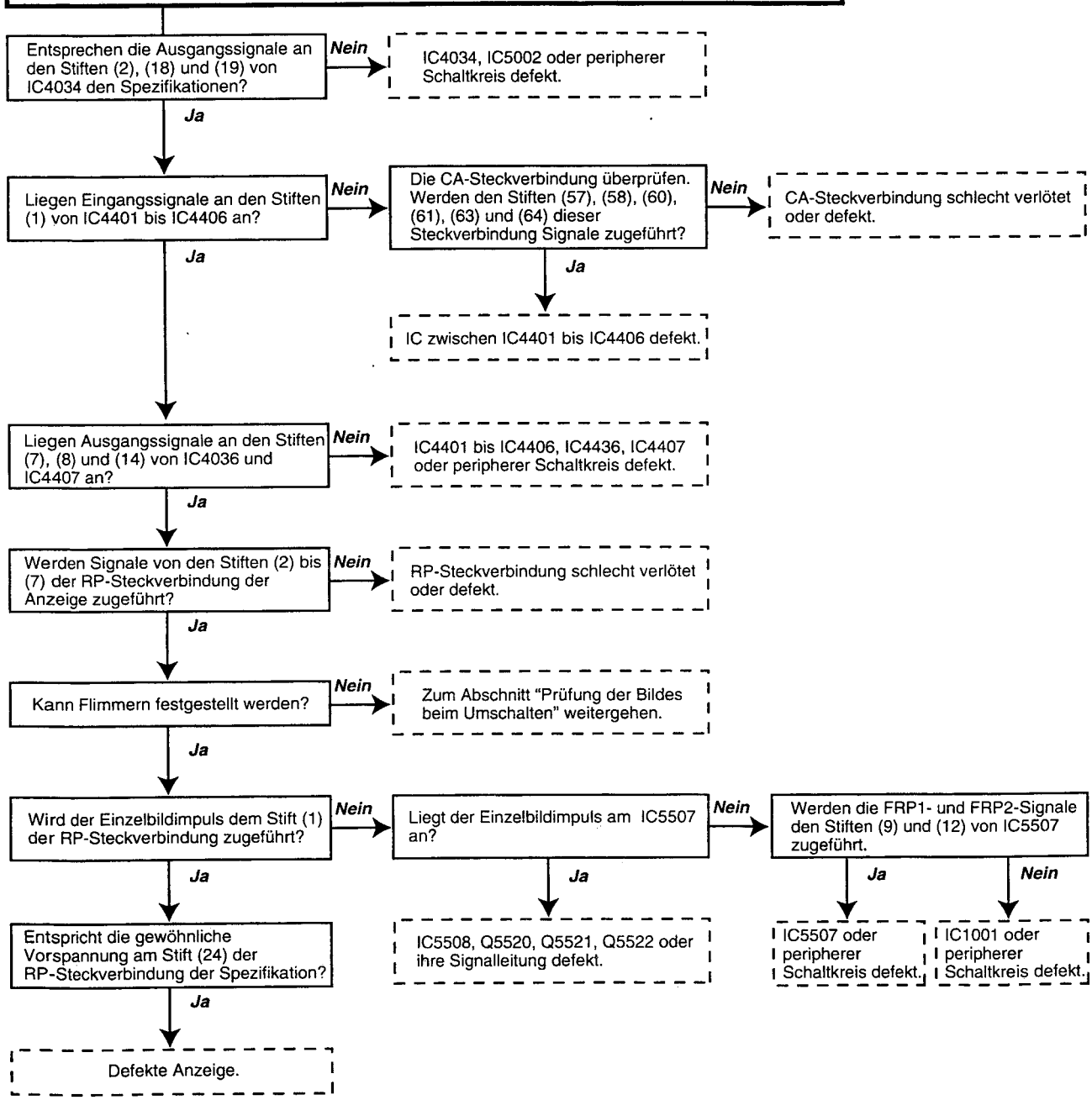


Prüfung des Bildes auf Verrücken



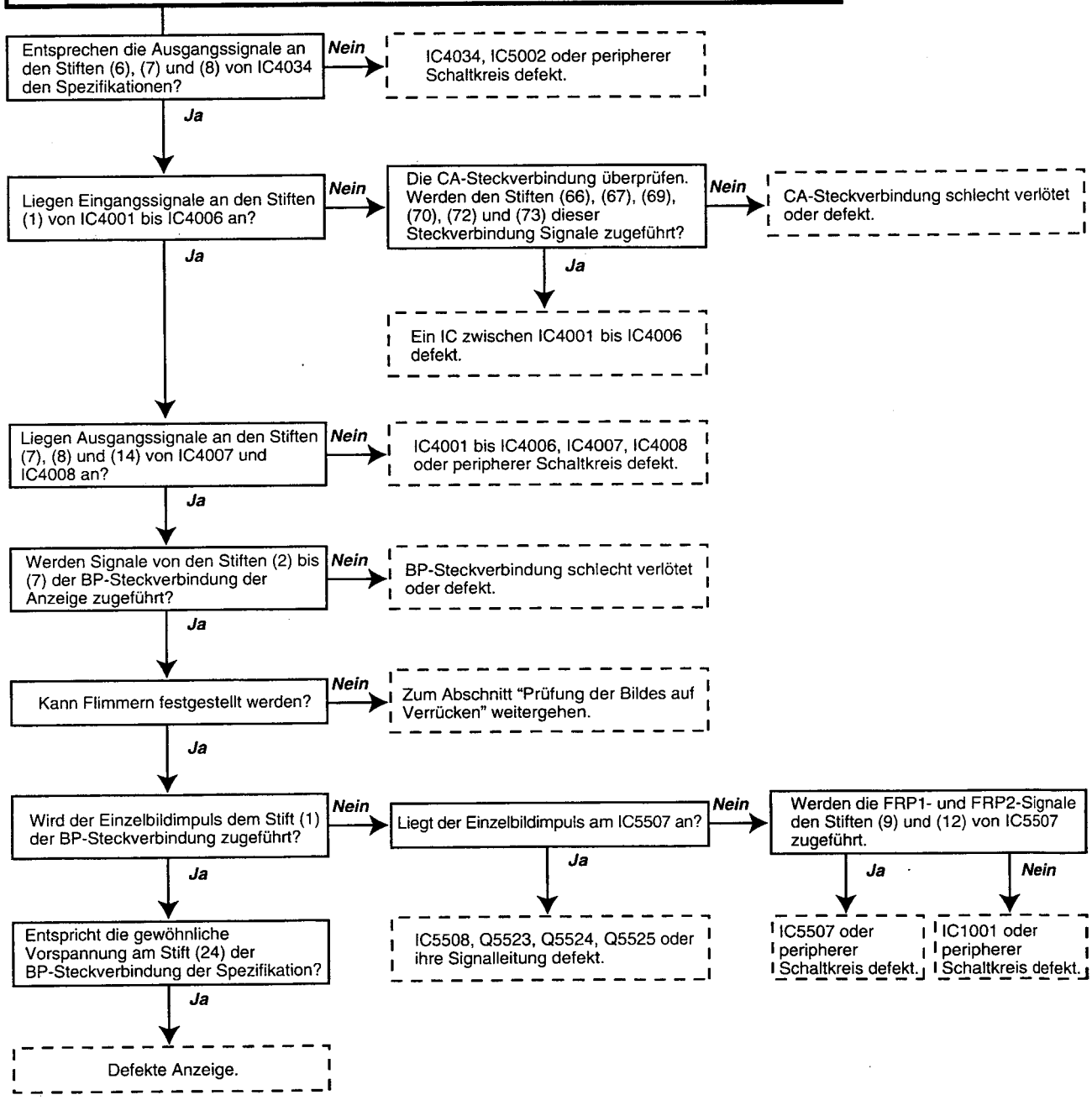
STÖRUNGSSUCHTABELLE (fortgesetzt)

Überprüfung der R-Signalleitung der Ausgangsplatine

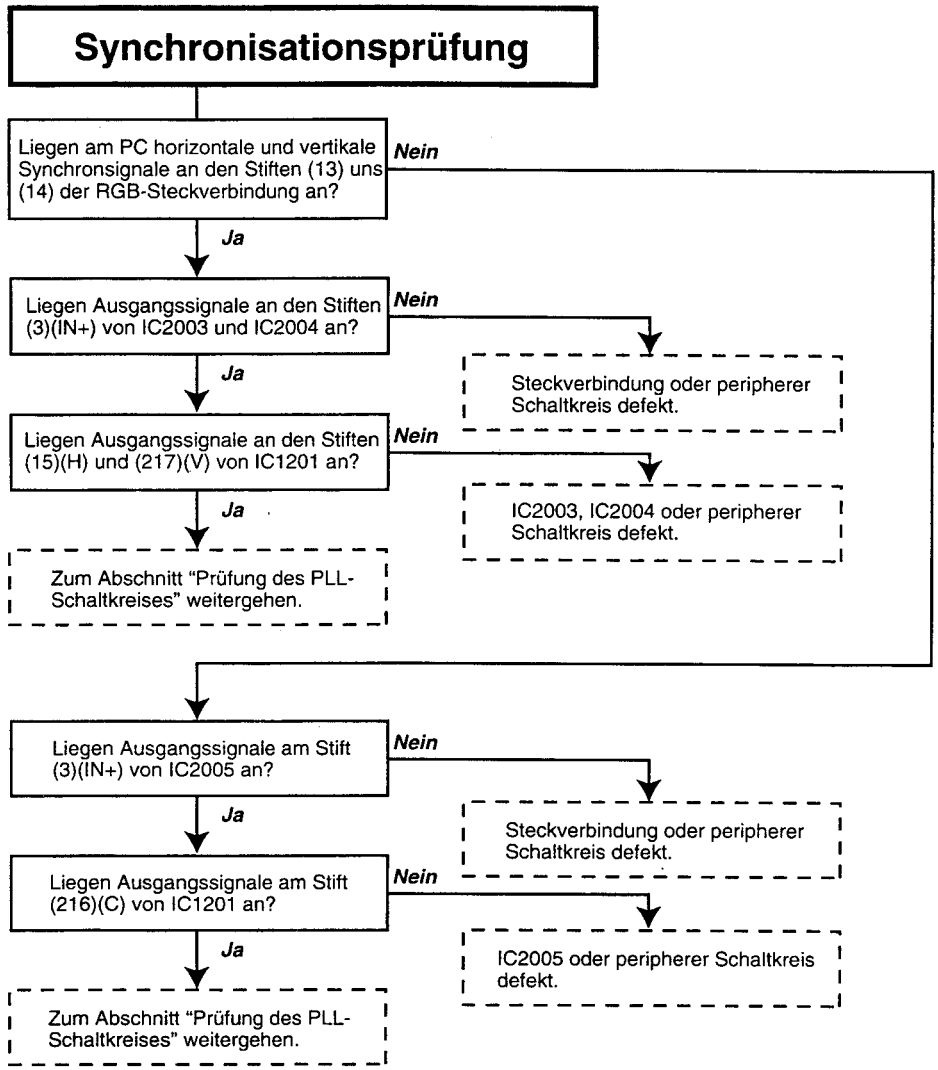


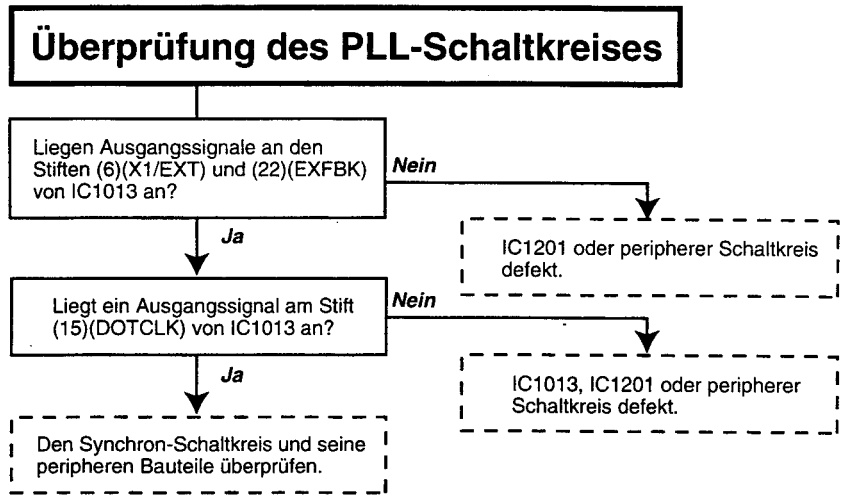
STÖRUNGSSUCHTABELLE (fortgesetzt)

Überprüfung der B-Signalleitung der Ausgangsplatine



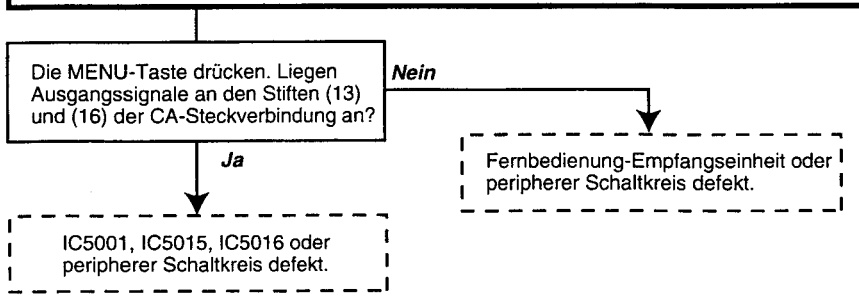
STÖRUNGSSUCHTABELLE (fortgesetzt)



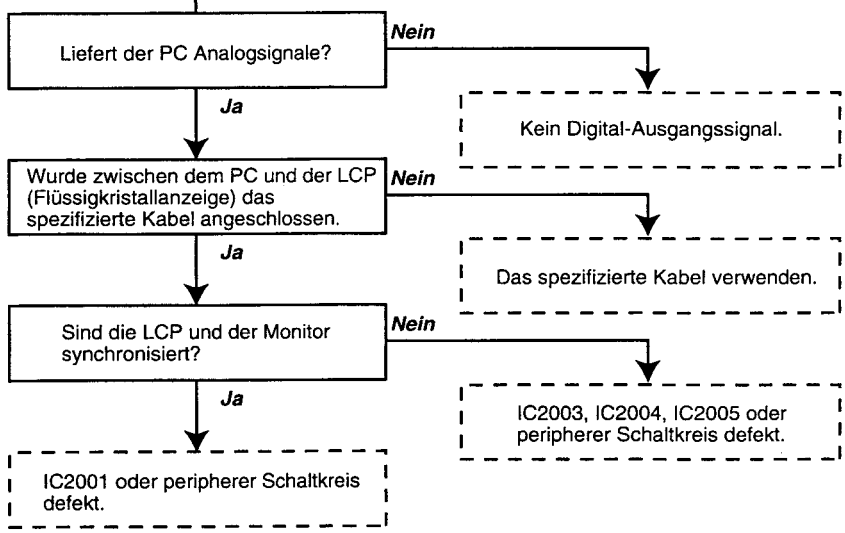


STÖRUNGSSUCHTABELLE (fortgesetzt)

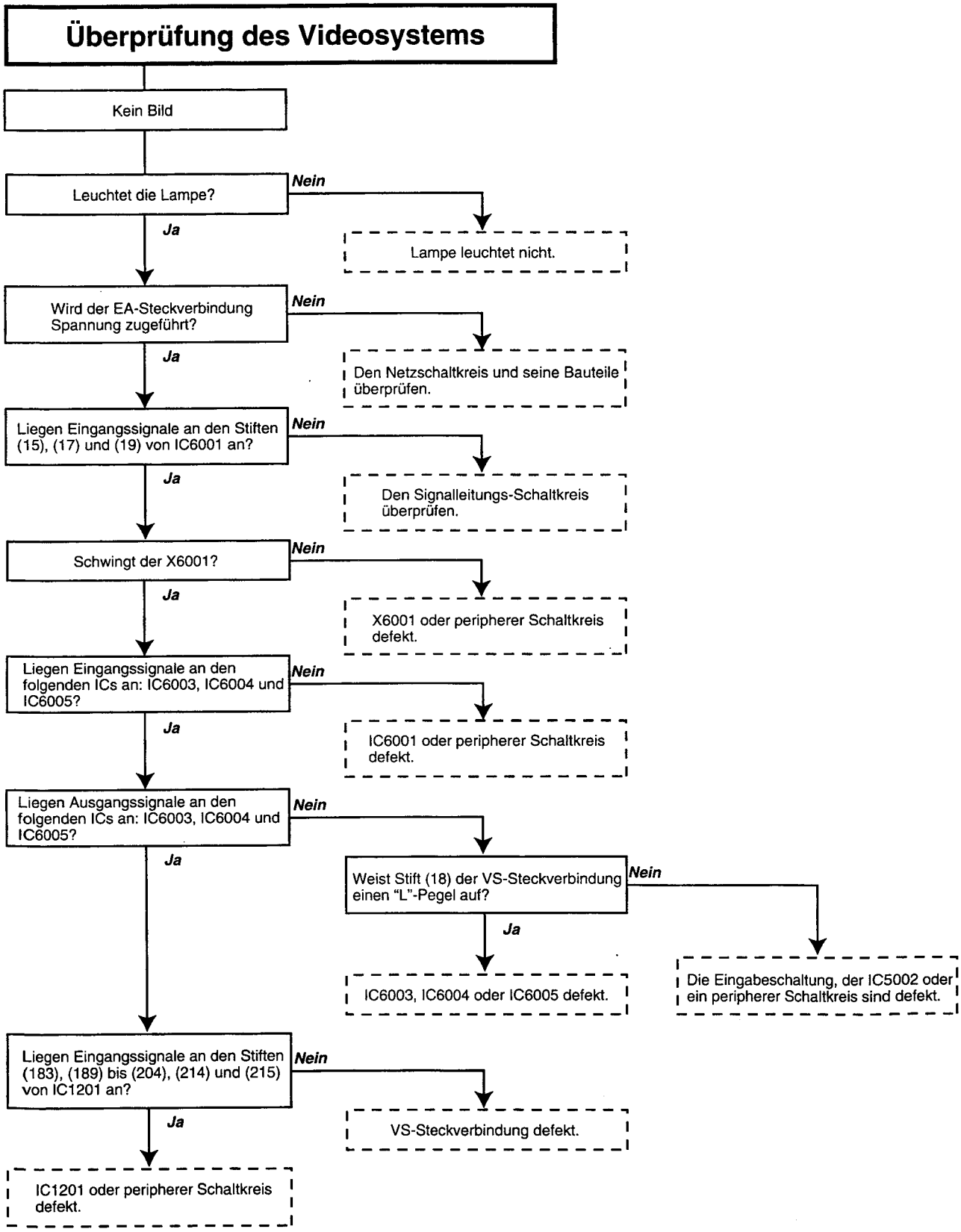
Überprüfung des Fernbedienungs-Schaltkreises



Überprüfung des Durchgang-Ausgangssignal-Schaltkreises

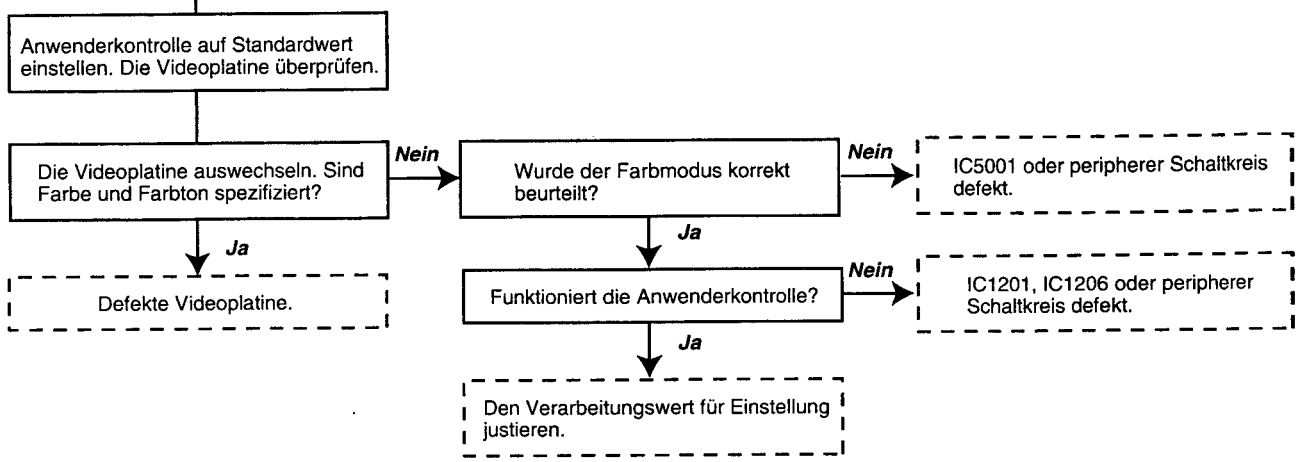


STÖRUNGSSUCHTABELLE (fortgesetzt)

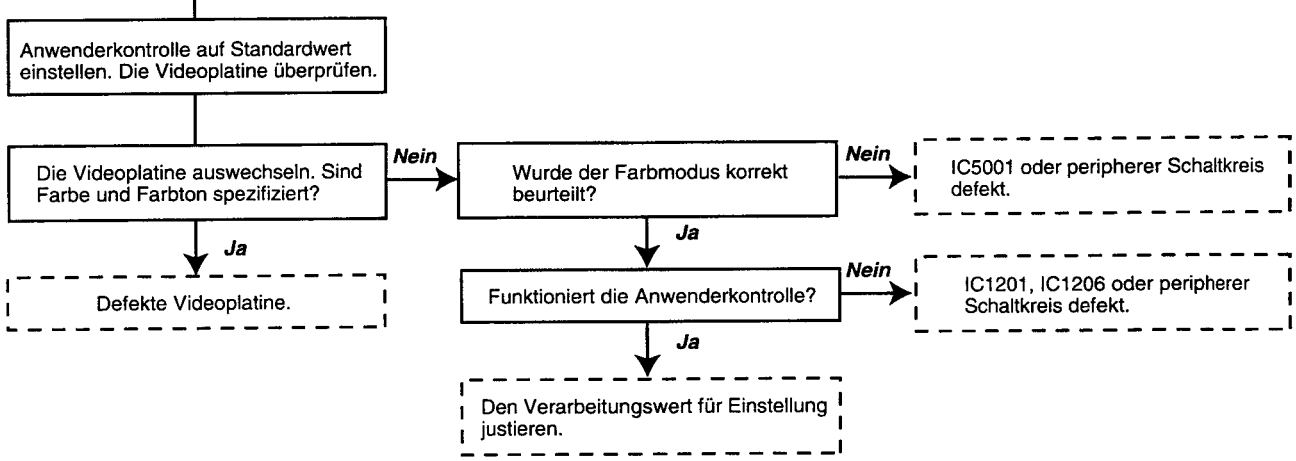


STÖRUNGSSUCHTABELLE (fortgesetzt)

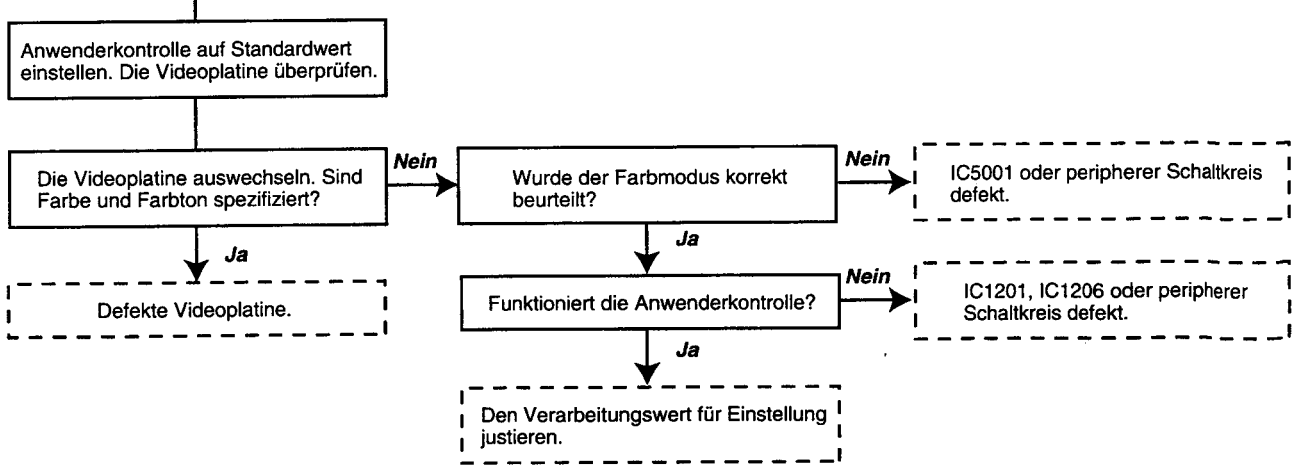
Keine Farbe oder ungewöhnlicher Farbton mit NTSC-Signal



Keine Farbe oder ungewöhnlicher Farbton mit PAL-Signal



Keine Farbe oder ungewöhnlicher Farbton mit SECAM-Signal



STÖRUNGSSUCHTABELLE (fortgesetzt)

Keine Synchronisation

Liegen Video-Eingangssignale an den Stiften (15), (17) oder (19) von IC6001 an?

Nein → Die Signalleitung der Steckverbindung überprüfen.

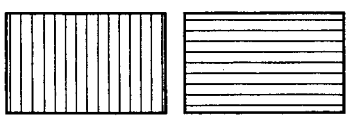
Ja

Verlaufen die HSYNCH- und VSYNCH-Signale von den Stiften (41) und (42) von IC6001 synchron mit dem Eingangssignal?

Nein → IC6001 oder peripheren Schaltkreis überprüfen.

Ja

Welche der Vertikal- und Horizontalsynchronisationen sind gestört?



Vertikal → Wird ein Eingangssignal vom Stift (20) der VS-Steckverbindung an Stift (214) von IC1201 weitergeleitet?

Nein → Die Signalleitung von IC6005 überprüfen.

Ja

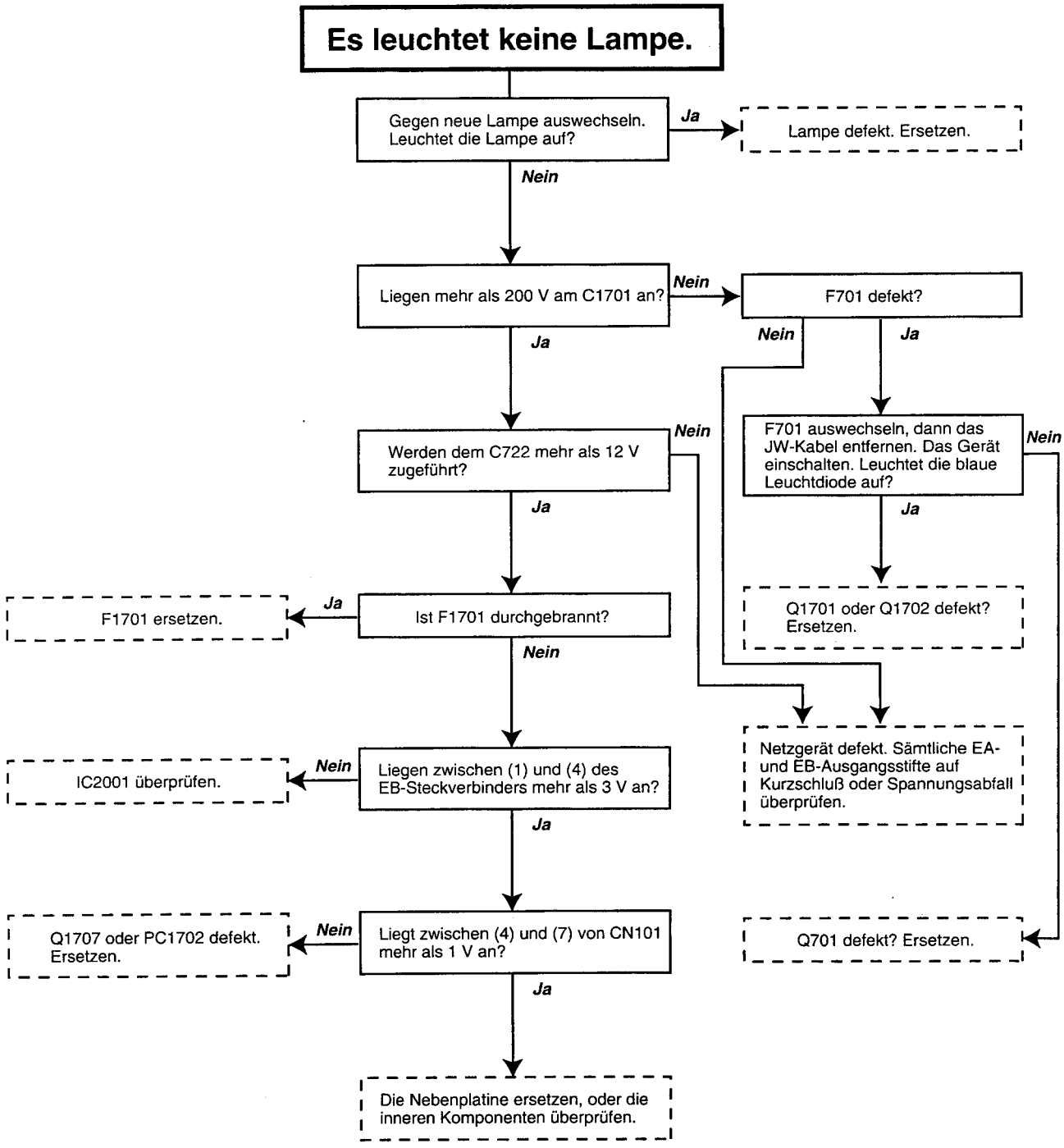
Horizontal → Wird ein Eingangssignal vom Stift (21) der VS-Steckverbindung an Stift (215) von IC1201 weitergeleitet?

Nein → Die Signalleitung von IC6005 überprüfen.

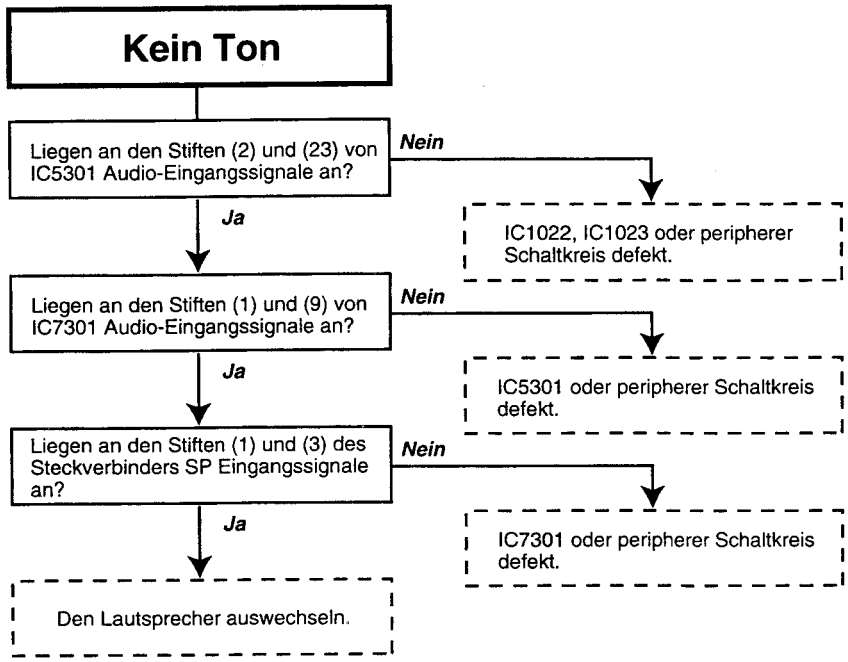
Ja

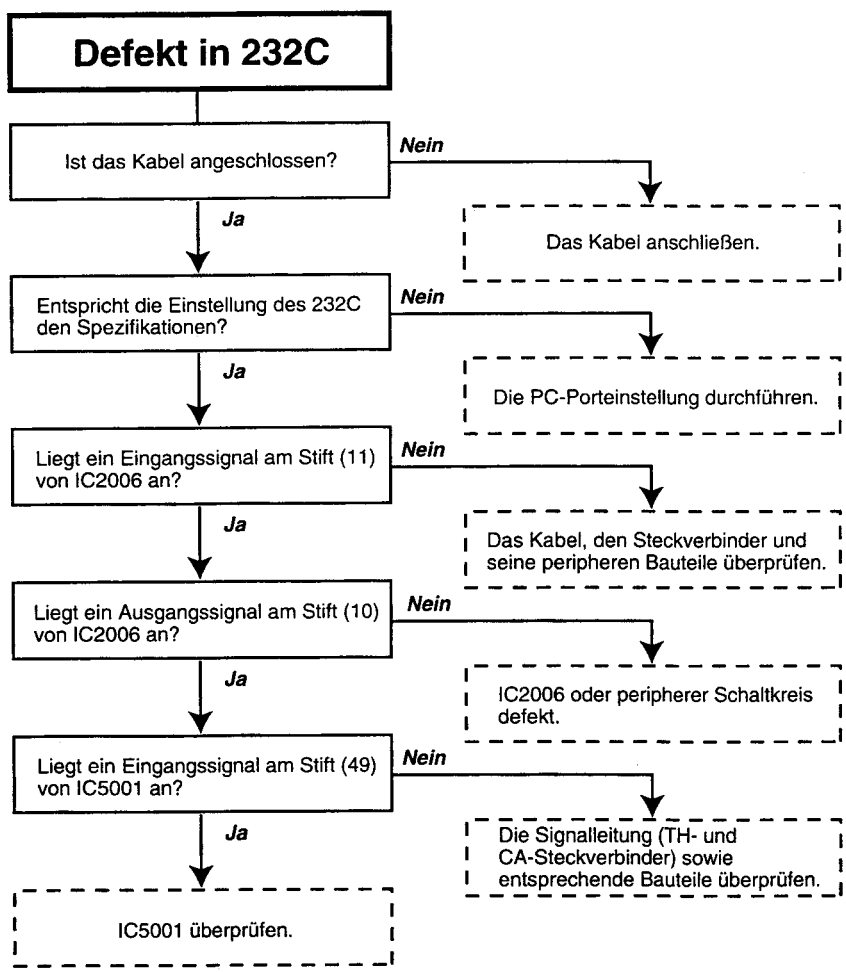
IC1201 oder peripherer Schaltkreis defekt.

STÖRUNGSSUCHTABELLE (fortgesetzt)



STÖRUNGSSUCHTABELLE (fortgesetzt)





保养维修人员须知

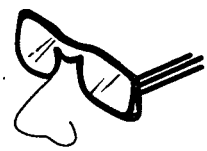
紫外线辐射注意事项

本液晶投影机的光源—金属检卤灯使用时会产生少量的紫外线辐射。

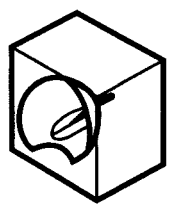
防止眼睛和皮肤的直接曝射。

为保证安全，务请遵守下列注意事项：

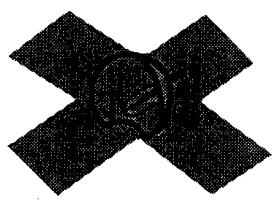
1. 揭去投影机顶盖并打开金属检卤灯进行检查维修时，务请戴用太阳墨镜。



2. 切勿随意修弄金属检卤灯灯室外壳。



3. 揭去投影机顶盖的保养维修不得超过2小时以上。



紫外线辐射与中压灯的注意事项

1. 更换中压灯前，请先拔除电源插头。
2. 保养维修该装置前，请先让其冷却一小时以上。
3. 更换中压灯只得用同类型号者：
   CLMPF0046DE01， 额定值63V/370W。
4. 该灯点亮时有少量紫外线辐射发生，切勿直接曝照裸眼。
5. 中压灯有引起爆炸之危险。安装、保养及维修时，务请按下述要求谨慎处理之。

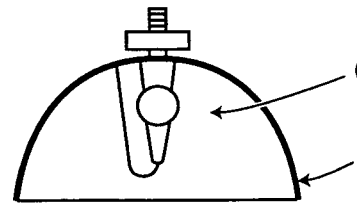
■金属检卤灯的更换

注意：

该灯于点亮时所达温度极高。因此，更换该灯至少应在关灯后一小时再进行。（让该灯充分冷却。）

用手安装新灯时，只得抓握检卤灯反射罩②进行安装，切勿用手触碰灯泡电珠。

〔更换新灯只得用规定正品。〕



更换灯泡后，边触按投影机上的3个键钮（ENTER、ADJ.▶(右)，ADJ.▼(下)）边打开主电源开关(交流电输入上部)。

危险！ 一没安装金属检卤灯时，不得打开电源开关。因为引入电源后，稳压器便随即发生极高的电压，足以引起人身高压触电或装置损坏的危险。

揭开机壳进行维修时，少量的紫外线可从导管盖和灯室间的开口处辐射而出。因此，必须用镜头盖按下图（图1）所示遮住导管盖和灯室间的开口，以防紫外线辐射造成眼睛或皮肤的受伤。

注意：对未附带镜头盖的型号XG-SV1E作保养及检修时，必须先准备镜头盖，盖上后进行之。

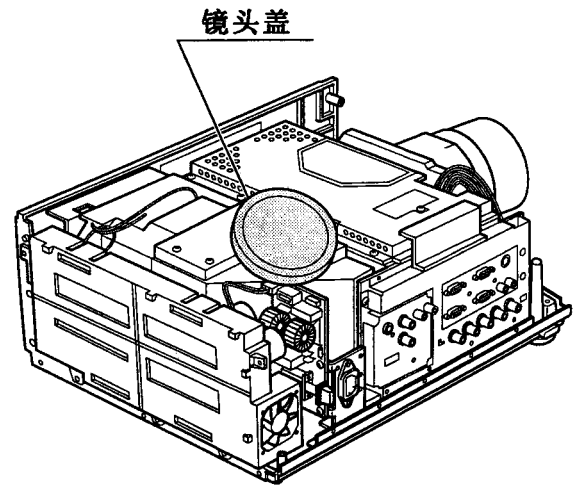


图1

規格

產品類型	液晶投影機
型號	XG-SV1E
*視頻系統	PAL/SECAM/NTSC 3.58
顯示方法	3塊液晶板，RGB三色光學遮板方法
液晶顯示板	尺寸：3.3厘米 (19.8 [高] × 26.4 [寬] 毫米) 顯示方法：半透明TN液晶板 驅動方法：TFT (薄膜晶管體) 活性矩陣板 像素數量：519,168點 (832 [水平] × 624 [垂直])
鏡頭	1～1.6變焦鏡頭 F2.5至3.2，f＝48至76毫米
投影燈泡	370瓦金屬鹵燈
反差比	100：1
*視頻輸入訊號	BNC連接器：視頻，混合視頻，峰間值1伏，負同步，75歐姆終端 RCA連接器：聲頻，0.5伏有效值，大於22千歐姆(立體聲)
*S-視頻輸入訊號	4芯小型DIN連接插頭 Y(亮度訊號)：峰間值1伏，負同步，75歐姆終端 C(色度訊號)：脈衝峰間值0.286伏，75歐姆終端
*視頻(顯示器)輸出訊號	BNC連接器：視頻，混合視頻，峰間值1伏，負同步，75歐姆終端 RCA連接器，聲頻，0.5伏有效值，大於2.2千歐姆(立體聲)
*水平解像度	580行電視掃描(視頻輸入)
聲頻輸出	3瓦＋3瓦 (立體聲)
電腦RGB輸入訊號	視頻訊號： 15芯小型D-Sub連接插頭 (RGB 1)， BNC連接器 (RGB 2)：RGB分離型模擬輸入：峰間值0~0.7伏，正極，75歐姆終端 立體聲小型插頭：聲頻，0.5伏有效值，大於22千歐姆，(立體聲) 水平同步訊號：三極管電平 (正極/負極) 或混合同步 (僅限Apple) 垂直同步訊號：同上
RS-232C輸入端子	控制個人電腦用9芯D-Sub凸型連接插頭
滑鼠輸入端子 (IBM/Mac用)	無線滑鼠用9芯D-Sub凹型連接插頭
滑鼠輸入端子 (PC98用)	無線滑鼠用9芯小型DIN連接插頭
喇叭系統	3英吋 (8厘米) 圓形×2
電壓	交流200伏-240伏
電頻	60/50赫
耗電量	520瓦
工作溫度	攝氏5度～40度
儲藏溫度	攝氏零下20度～60度
外殼	塑膠
I/R載波頻率	40千赫
遙控器鐳射指示器	波長：670毫微米 最大輸出：1毫瓦 II級鐳射產品
尺寸 (寬×深×高)	機體359×528×195 mm 加罩蓋444×528×195 mm
重量	機體14.6公斤 加罩蓋14.8公斤
隨機附件	遙控器、4節AA型電池、預備空氣過濾器、RGB訊號線 (3公尺)、Macintosh轉接器、2個BNC/RCA轉接器、用於IBM PS/2的滑鼠控制線 (15公分)、用於Mac的滑鼠控制線 (15公分)、滑鼠控制線 (3公尺)、交流電源線、端子蓋、鏡頭蓋 (已裝上)
替換零件	遙控器 (RRMCG1357CESA)、空氣過濾器 (PFILD0055CEZZ)、RGB訊號線 (QCNW-4422CEZZ)、Macintosh轉接器 (QPLGJ1511CEZZ)、用於IBM PS/2的滑鼠控制線 (QCNW-4754CEZZ)、用於Mac的滑鼠控制線 (QCNW-4755CEZZ)、滑鼠控制線 (QCNW-4620CEZZ)、交流電源線

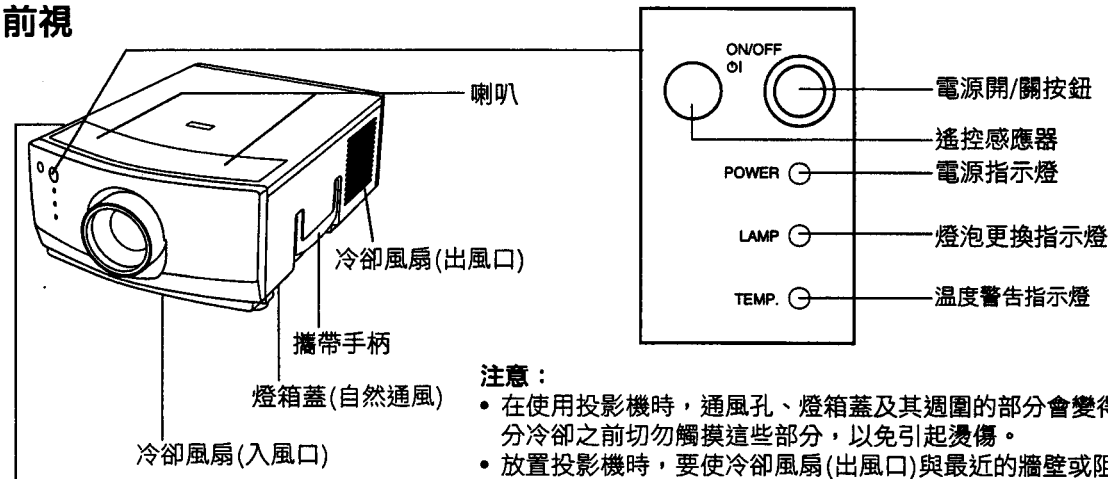
注意：*(仅限销往澳大利亚和新西兰)

本投影機使用LCD(液晶顯示)板。這些非常精密的顯示板每塊都含有519,168點(×RGB)個TFT(薄膜晶管體)。
任何高技術電子設備，如大屏幕電視機、錄影系統及攝影機等，都有該設備必須符合的一定誤差範圍存在。Sharp的誤差接受數量為6個不起作用的TFT，即可能在屏幕上造成亮點或不起作用的黑點。這並不影響影像質量或投影機的使用壽命。

規格參數若有變更，恕不另行通知。

控制按鈕的位置

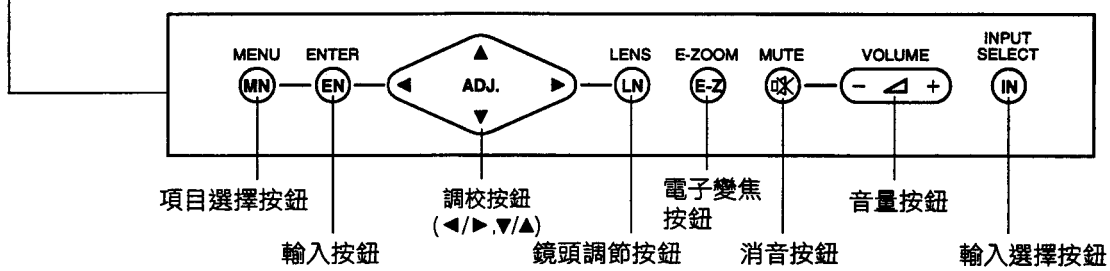
前視



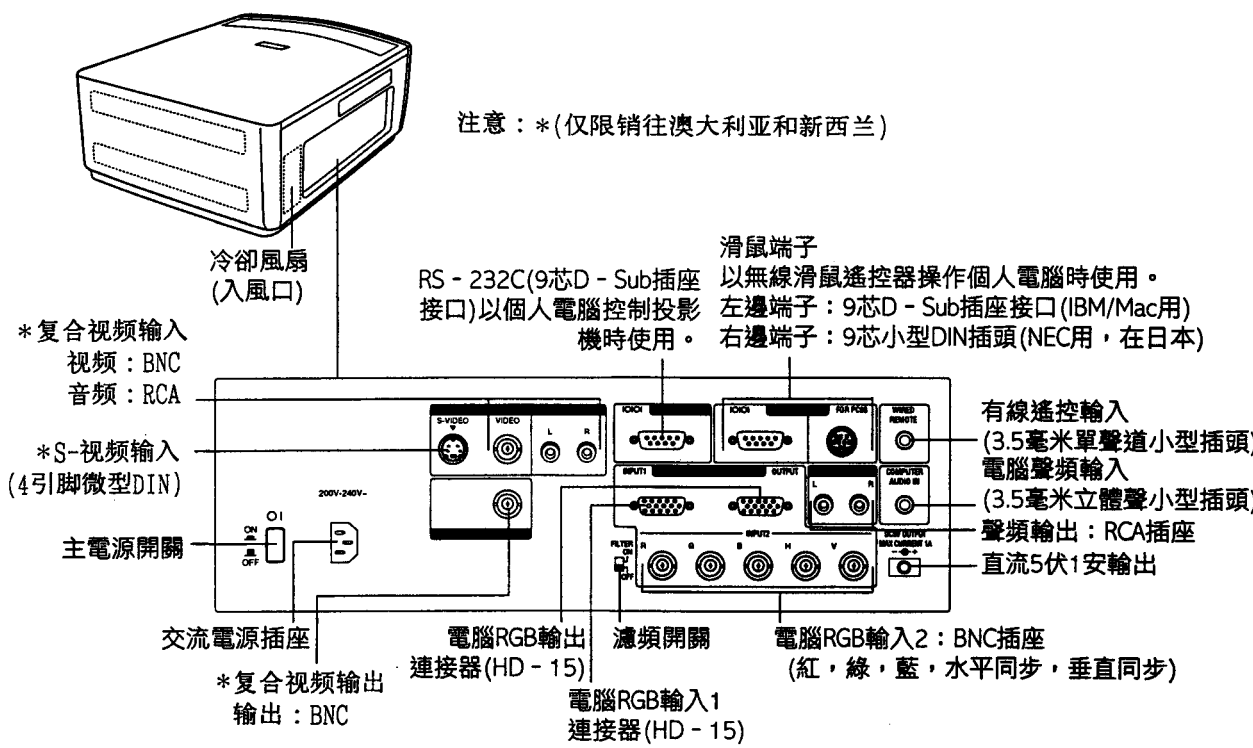
注意：

- 在使用投影機時，通風孔、燈箱蓋及其週圍的部分會變得非常熱。在充分冷卻之前切勿觸摸這些部分，以免引起燙傷。
- 放置投影機時，要使冷卻風扇(出風口)與最近的牆壁或阻礙物體保持10厘米以上的距離。
- 如果冷卻風扇被堵塞，機內的保護電路就會啟動，投影機燈泡隨之便熄滅。這種情況不屬於故障。只要將電源插頭從插座上拔出，並等待10分鐘，再將電源插上，投影機即可恢復正常功能。

投影機側面操作板



側面和背面



註：

- 直流5伏輸出插口的輸出電流不能超過1安。

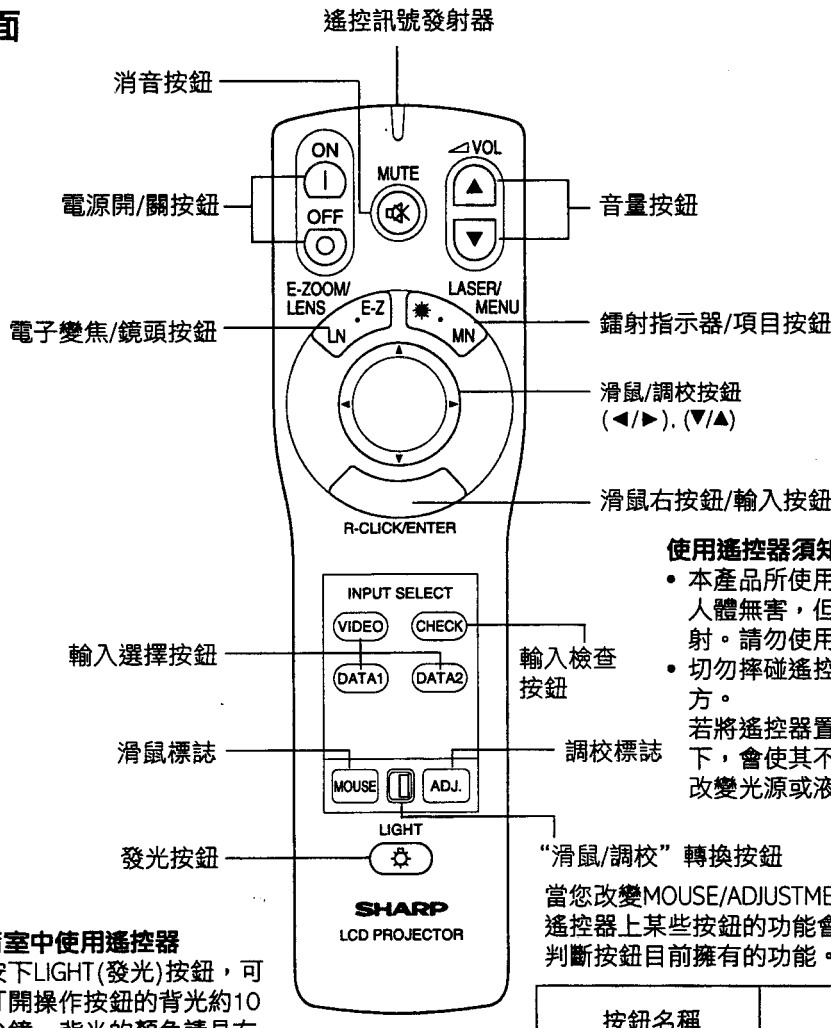
無線滑鼠遙控器的操作說明

遙控器中已經附上個人電腦的滑鼠功能，您只須使用遙控器即可操作您的投影機和個人電腦。

1. 將機身旁邊的主電源按鈕打開。
2. 按下遙控器前端面板上的POWER ON(電源開啟)按鈕，打開投影機電源。
3. 遙控器可依照轉換按鈕的設定來發揮其中一種功能。當您將遙控器作為無線滑鼠來使用時，請將“滑鼠/調校”(MOUSE/ADJUSTMENT)的轉換按鈕轉換至“滑鼠”(MOUSE)位置。當您使用遙控器來操作投影機時，請將“滑鼠/調校”(MOUSE/ADJUSTMENT)的轉換按鈕轉換至“調校”(ADJ.)位置。如果想要啟動遙控器按鍵背後發光功能，可按下遙控器上的LIGHT(發光)按鈕。以各按鈕的功能顏色顯示參見見本頁右下方之附表。

無線滑鼠遙控器

正面



側視

註：
當攜帶遙控器時，請將主電源關閉，以免電池的電力耗盡。

使用遙控器須知

- 本產品所使用之鐳射光在直接照射於皮膚上時對人體無害，但請注意勿將光束對著眼睛直接照射。請勿使用任何光學器材對著光束直視。
- 切勿摔碰遙控器，勿使其沾水或放置在潮濕的地方。
  若將遙控器置於陽光直射或其他強光照射環境下，會使其不能正常操作。出現此種情形時，請改變光源或液晶投影機的位置。

於暗室中使用遙控器

- 按下LIGHT(發光)按鈕，可打開操作按鈕的背光約10秒鐘。背光的顏色請見右表。

註：

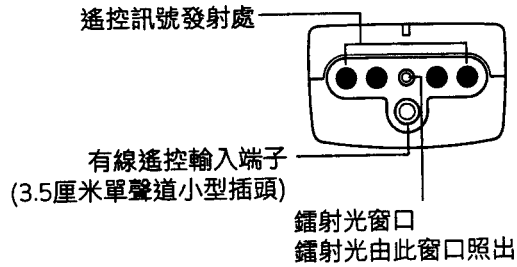
- 如果遙控器上的MAIN POWER(主電源)開關處於開啟狀態而且持續10分鐘以上未操控遙控器時，則電源就會自動關閉。若要重新開啟電源，祇需將遙控器上之任一按鈕持續按住1秒鐘以上即可。

“滑鼠/調校”轉換按鈕

當您改變MOUSE/ADJUSTMENT(滑鼠/調校)轉換按鈕之設定時，遙控器上某些按鈕的功能會改變。您可由其背光顯示的顏色來判斷按鈕目前擁有的功能。

按鈕名稱	滑鼠/調校轉換按鈕之位置	
	滑鼠	調校
鐳射指標/項目	鐳射指標(綠)	選擇項目(紅)
右滑鼠/輸入	右按鈕(綠)	輸入(紅)
滑鼠/調校	滑鼠(不亮)	調校 ◄/►, ▼/▲ (不亮)
左滑鼠	是(不亮)	—
鏡頭變焦/鏡頭	鏡頭變焦(綠)	鏡頭(紅)
開關	是(紅)	
音量		
消音		
視頻		
DATA1		
DATA2		
輸入檢查		

項部



使用額外接線連接遙控器

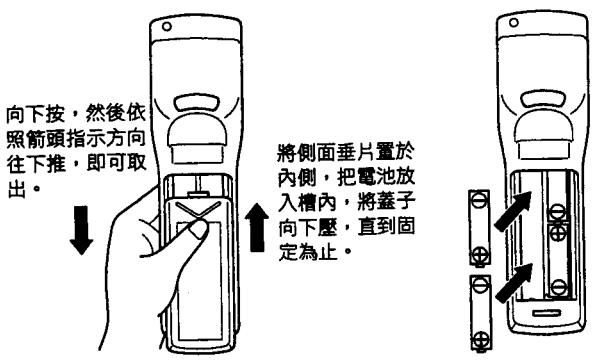
- 當遙控器因投影機的設置距離或位置而導致不能正常操控時(例如，處於後投射模式時)，可將額外選購的接線從遙控器上的有線遙控輸入插口連接到投影機側面的有線遙控輸入端子。

註：

- 用額外接線連接遙控器時，訊號發射處不能發揮功能。

遙控器附有一鐳射指示器，會從圖片所示之鐳射光窗口中射出II級鐳射光束。請勿直視光束、或將鐳射光對準他人照射。以上兩種標示為有關鐳射光之警告標示。
使用鐳射指示器時，務必在溫度於5℃和40℃之間使用。

背面



安裝電池

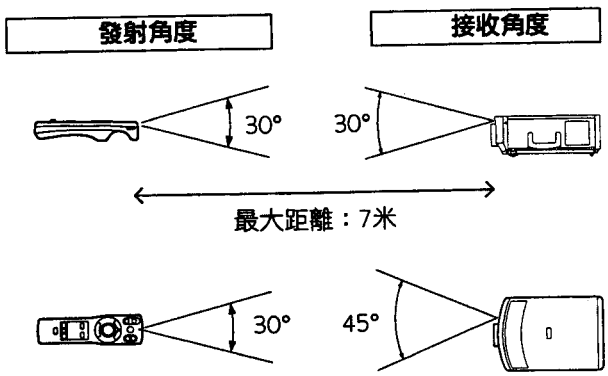
如圖所示卸下電池蓋，裝入4節AA型電池。請注意電池之極性必須符合電池槽內之(+)和(−)的標記。

註：

電池使用不當會造成漏液或爆裂。

- 插入電池時必須使其極性與電池槽內標出的極性(+)、(−)一致。
- 若長期不使用遙控器，應將電池取出。
- 請保持電池的清潔。
- 切勿將商標不同的電池混合使用。新舊電池的混合使用會使新電池的壽命縮短，而舊電池則會漏液。
- 當電池耗盡之後，應立刻取出以防漏液對遙控器造成損壞。漏出的電池液體會刺激皮膚，應用布擦拭。
- 由於隨機附送的電池受存放條件及存放時間影響，可能會在短時間內用完。應盡早更換新的電池。

遙控器的操作角度



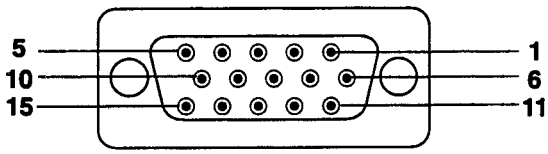
遙控器的操作角度按左圖所示。

註：

- 為方便操作，遙控器所發出之訊號可利用屏幕反射。但訊號之有效距離可能因屏幕材質而有所不同。

連接芯的作用

模擬RGB1訊號輸入和模擬RGB1和2輸出接頭：15芯小型D-Sub凹型接頭

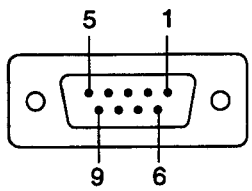


電腦輸入
模擬
1. 視頻輸入(紅)
2. 視頻輸入(綠)
3. 視頻輸入(藍)
4. 備用輸入1
5. 混合同步(僅Mac適用)
6. 地面(紅)
7. 地面(綠)
8. 地面(藍)
9. NC
10. GND
11. GND
12. 備用輸入2
13. 水平同步訊號
14. 垂直同步訊號
15. 備用輸入3

模擬RGB2訊號輸入：5個BNC接頭

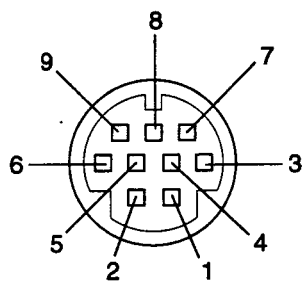
電腦輸入
模擬
R 視頻輸入(紅)
G 視頻輸入(綠)
B 視頻輸入(藍)
H 水平同步訊號
V 垂直同步訊號

滑鼠輸入端子(IBM/Mac用)：9芯D-Sub凹型接頭



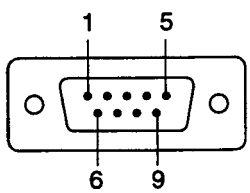
芯號	訊號	名稱	輸入/輸出	參考
1	CD	傳送檢查	輸入	和內部電路相接
2	RD	接收數據	輸入	和內部電路相接
3	SD	傳送數據	輸出	和內部電路相接
4	ER	設備準備完畢	輸出	和內部電路相接
5	SG	訊號地面		和內部電路相接
6	DR	數據設定準備完畢	輸出	沒有連接
7	RS	要求傳送	輸出	和內部電路相接
8	CS	可供傳送	輸入	和內部電路相接
9	CI	鈴聲指示器	輸入	和內部電路相接

滑鼠輸入端子(日本NEC PC98系列用)：9芯小型DIN接頭



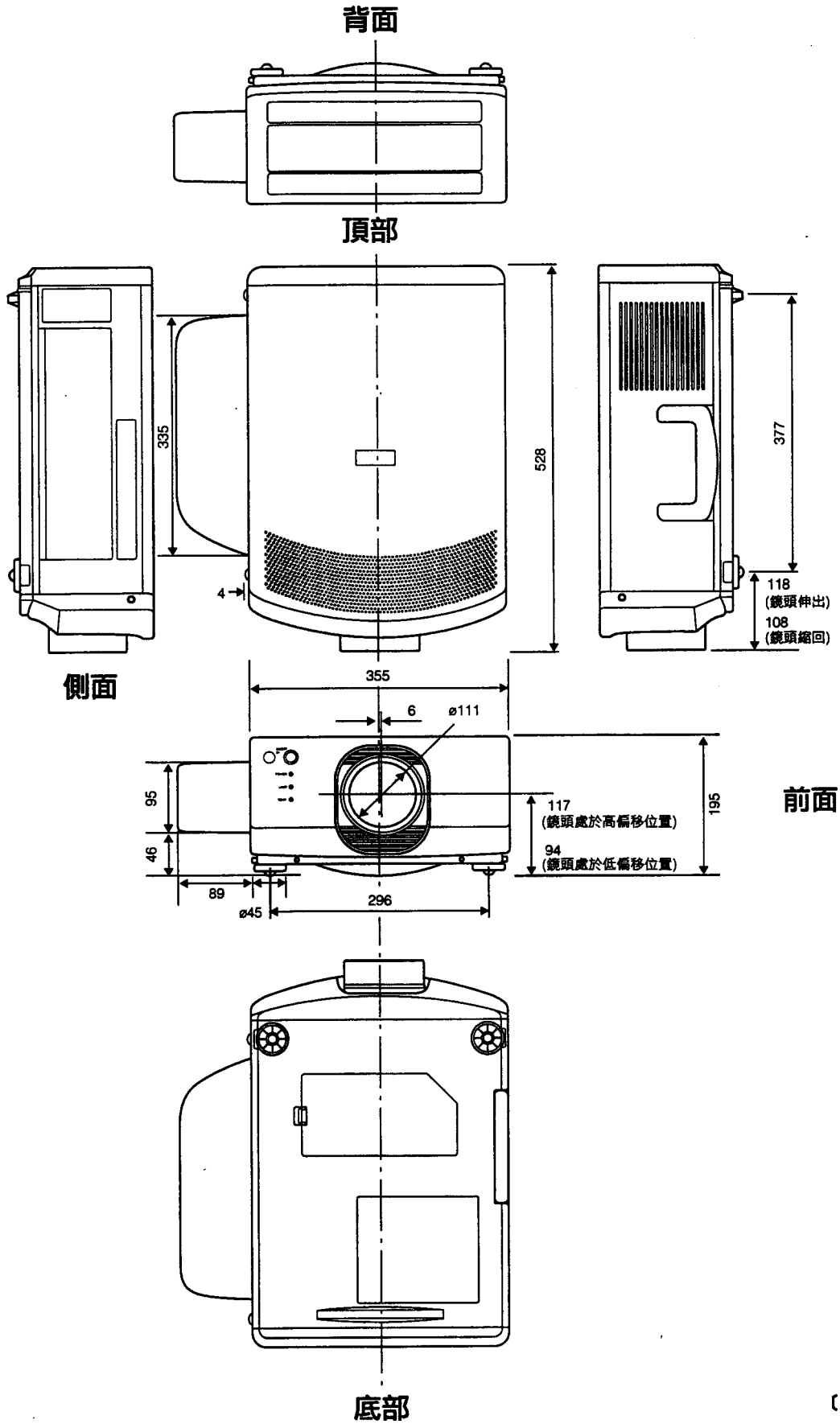
芯號	訊號	輸入/輸出	參考
1	+5V	輸入	電腦輸出
2	XA	輸入	電腦輸出
3	XB	輸入	電腦輸出
4	YA	輸入	電腦輸出
5	YB	輸入	電腦輸出
6	LEFT	輸入	電腦輸出
7	NC	輸入	沒有連接
8	RIGHT	輸入	電腦輸出
9	GND		電腦輸出

RS-232C端子：9芯D-Sub凸型接頭



芯號	訊號	名稱	輸入/輸出	參考
1	CD			沒有連接
2	RD	接收數據	輸入	和內部電路相接
3	SD	傳送數據	輸出	和內部電路相接
4	ER			沒有連接
5	SG	訊號地面		和內部電路相接
6	DR	數據設定準備完畢	輸出	沒有連接
7	RS	要求傳送	輸出	和內部電路相接
8	CS			沒有連接
9	CI			沒有連接

外型尺寸


背面
頂部
側面
335
4
528
377
118
(鏡頭伸出)
108
(鏡頭縮回)
355
6
ø111
95
46
89
ø45
296
117
(鏡頭處於高偏移位置)
94
(鏡頭處於低偏移位置)
195
前面
底部

〔單位：毫米〕

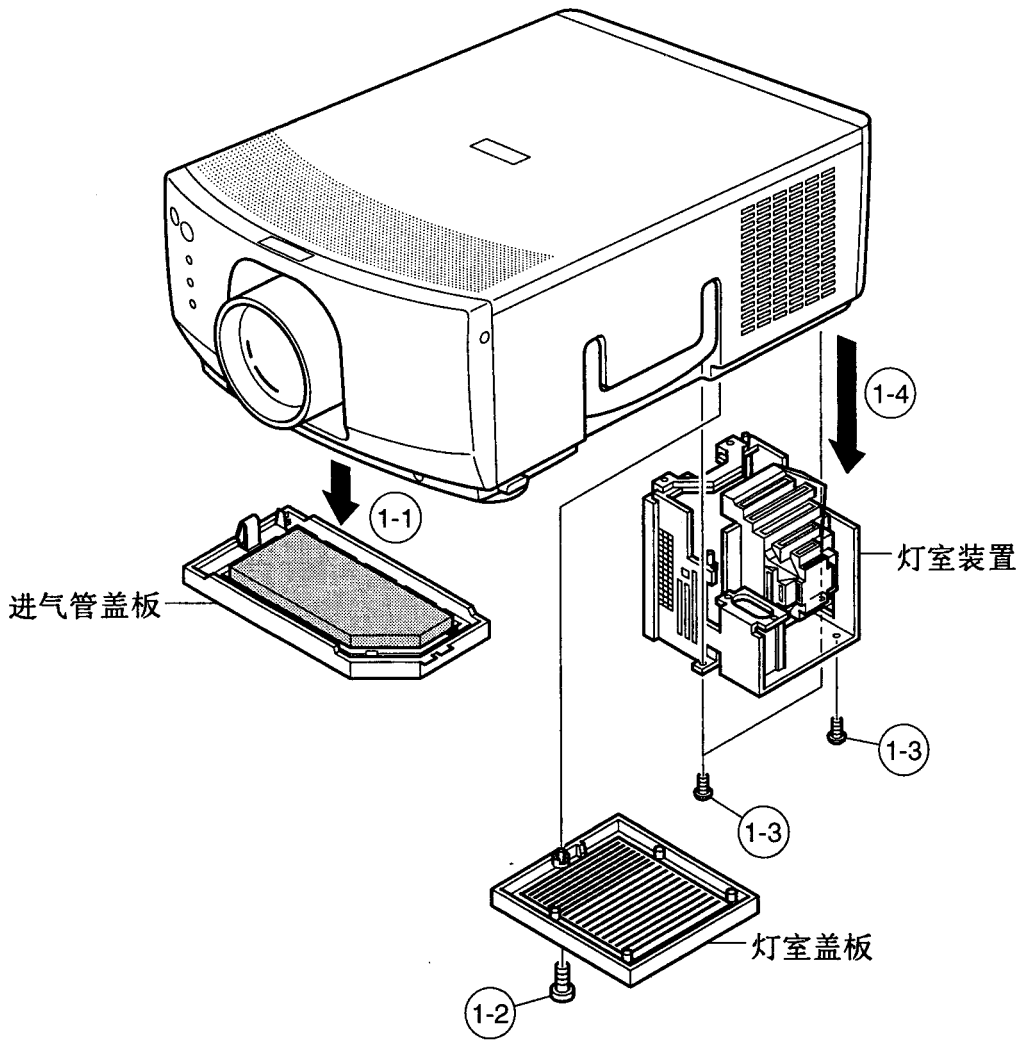
主要部件的拆卸

1. 灯室装置和进气管盖板的拆卸

1-1. 取下进气管盖板。
1-2. 松去1支固定螺丝，取下灯室盖板。
1-3. 松去灯室装置上的3支固定螺丝。
1-4. 取出灯室装置。

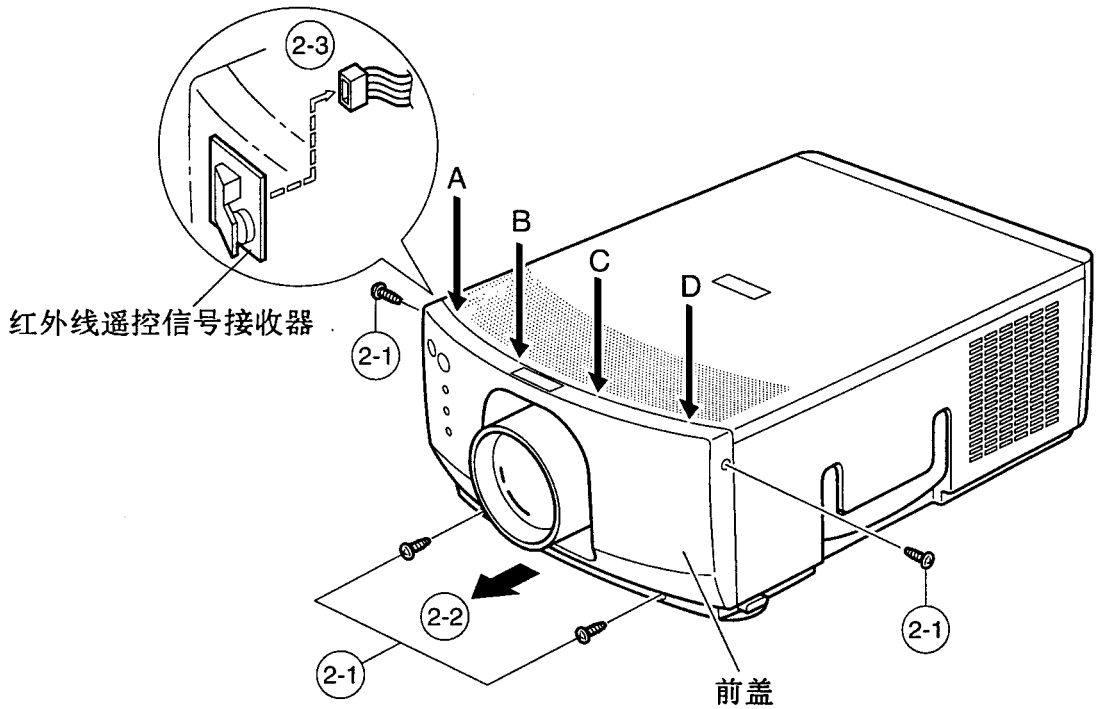
注意：

- 在更换之前，必须关闭投影机的电源开关，并检查冷却风扇是否处于完全停转状态，然后从电源插座上拔出电源插头。
- 投影机刚使用完后切勿立刻作更换工作，因为，灯室装置还处于非常热的状态。关闭电源开关，拔出电源插头，至少等待1个小时后，才可进行更换工作。
- 将灯室装置装回至原来的位置。此时应注意避免错误地连接插接端。



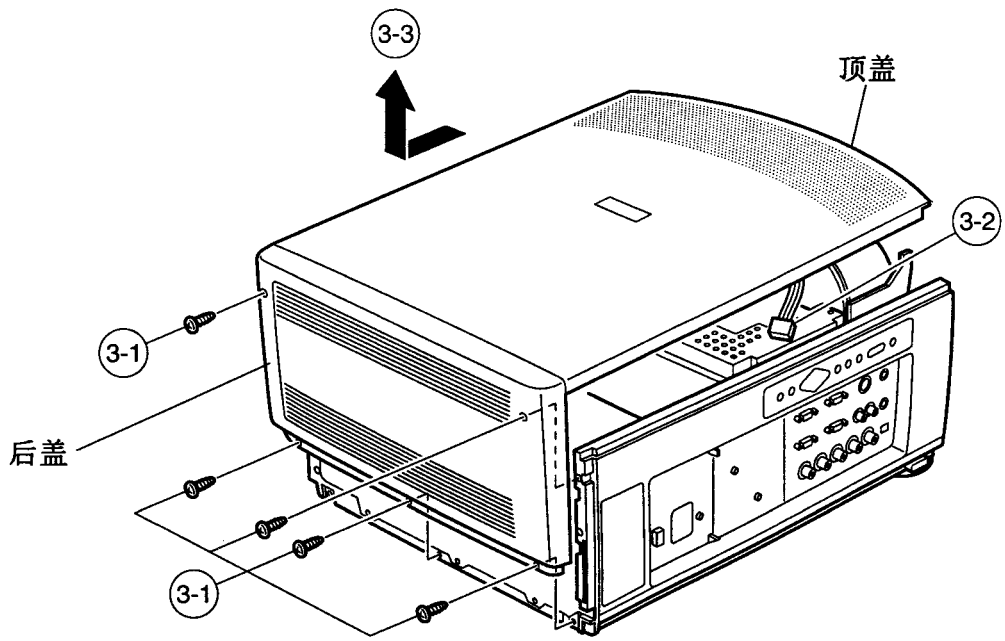
2. 前盖的拆卸

2-1. 松去前盖底部和左右上的4支固定螺丝。
2-2. 轻轻地按下顶盖上的卡扣A、B、C及D，松开前盖，取下前盖。
2-3. 松开遥控器的连接。



3. 顶盖和后盖的拆卸

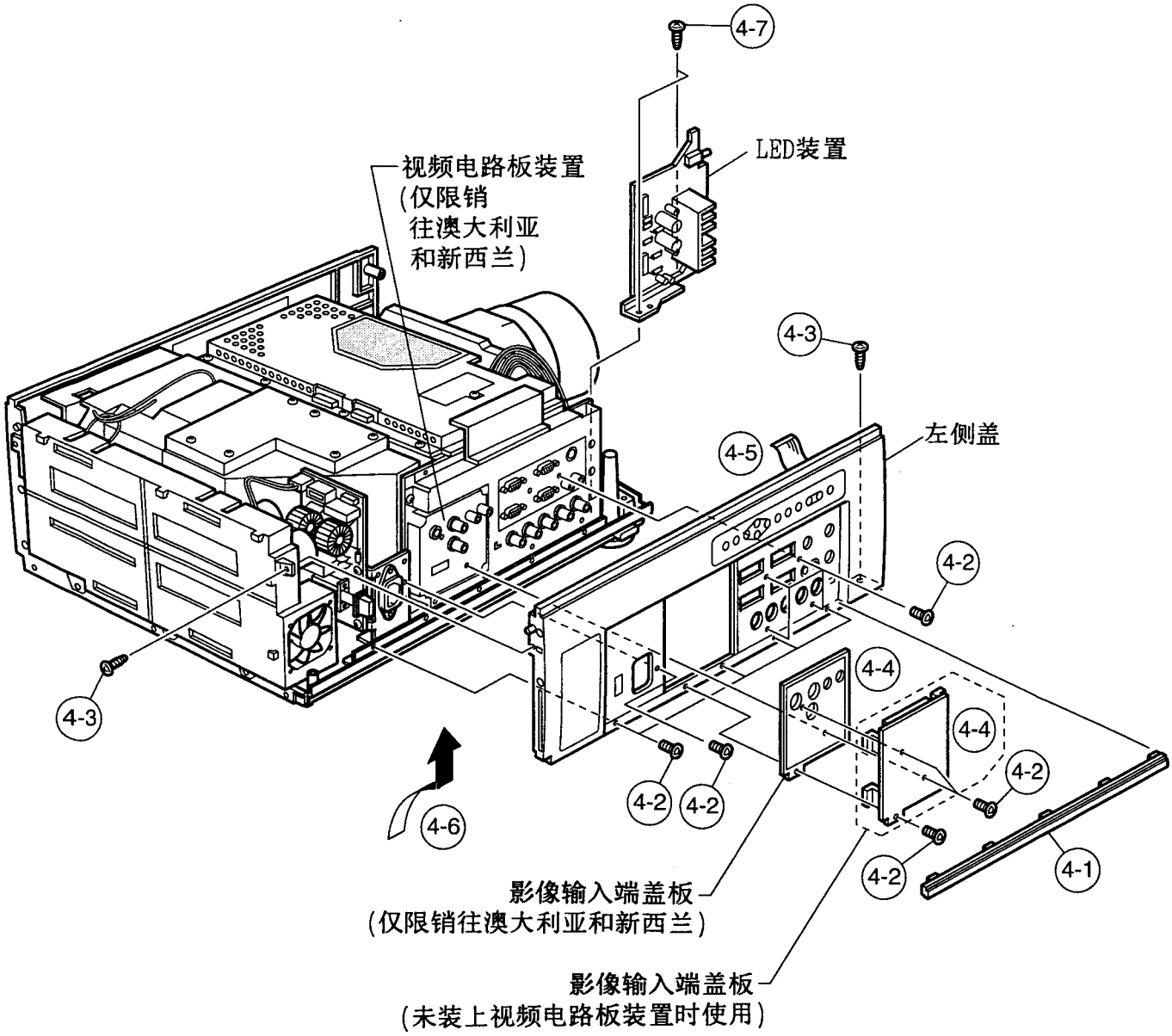
3-1. 松去后盖上面和下面的5支固定螺丝。
3-2. 松开扬声器的连接。
3-3. 将顶盖向后方滑移，以分开顶盖和后盖。



4. 左侧盖的拆卸

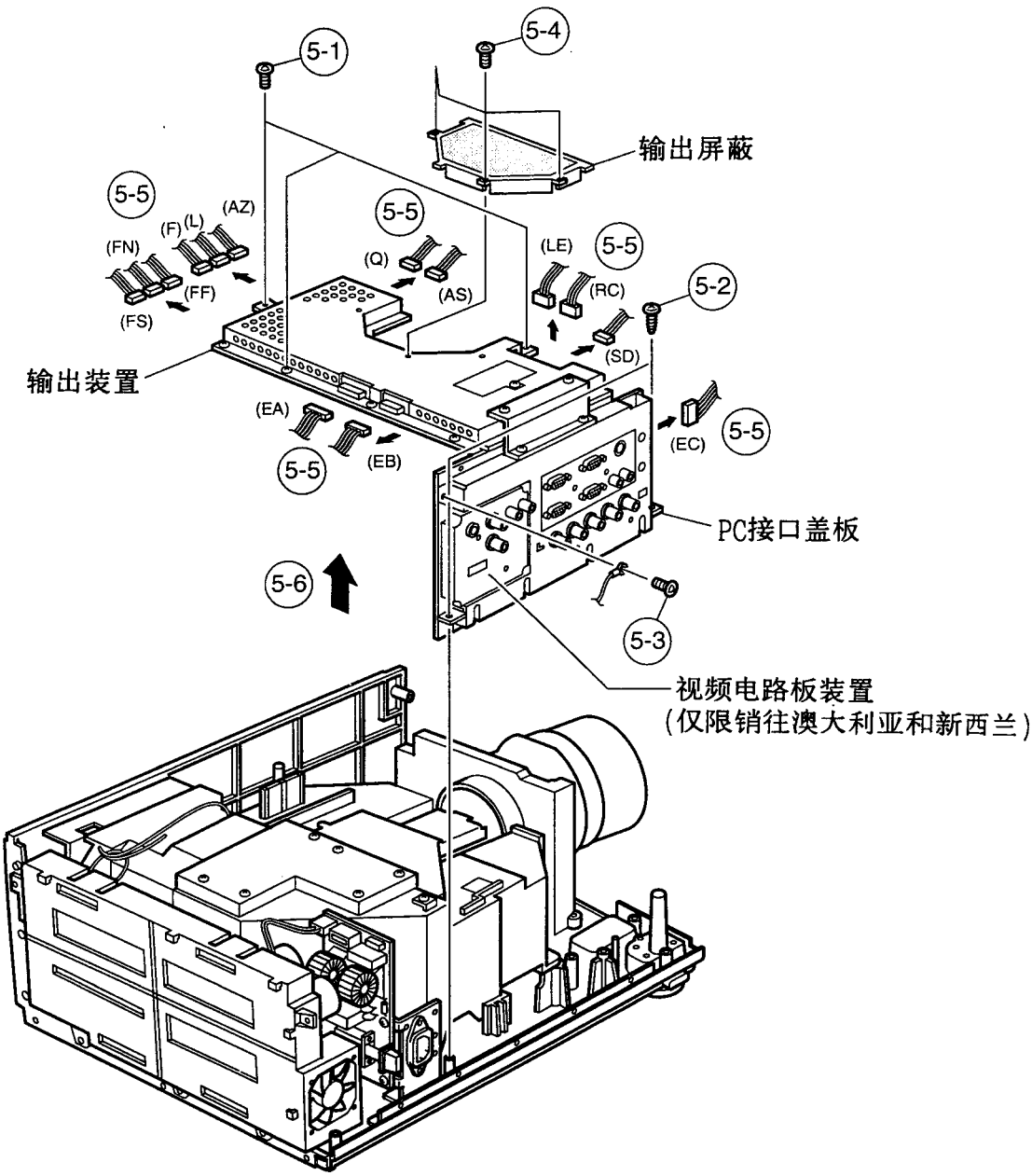
4-1. 插一字形螺丝刀于螺丝盖的右端槽孔中，撬开螺丝盖的右端，取下整体螺丝盖。
4-2. 松去12支侧面螺丝。
4-3. 松去左侧盖上的两支固定螺丝。
4-4. 松开影像输入端盖板的连接。
4-5. 松开薄膜开关的连接。
4-6. 向下抽出左侧盖，取下之。
4-7. 松去LED印刷电路板组件上的两支固定螺丝。

注意：销往澳大利亚和新西兰的液晶投影机均作为标准装配部件装有视频电路板装置，除此以外，该装置为选购品。



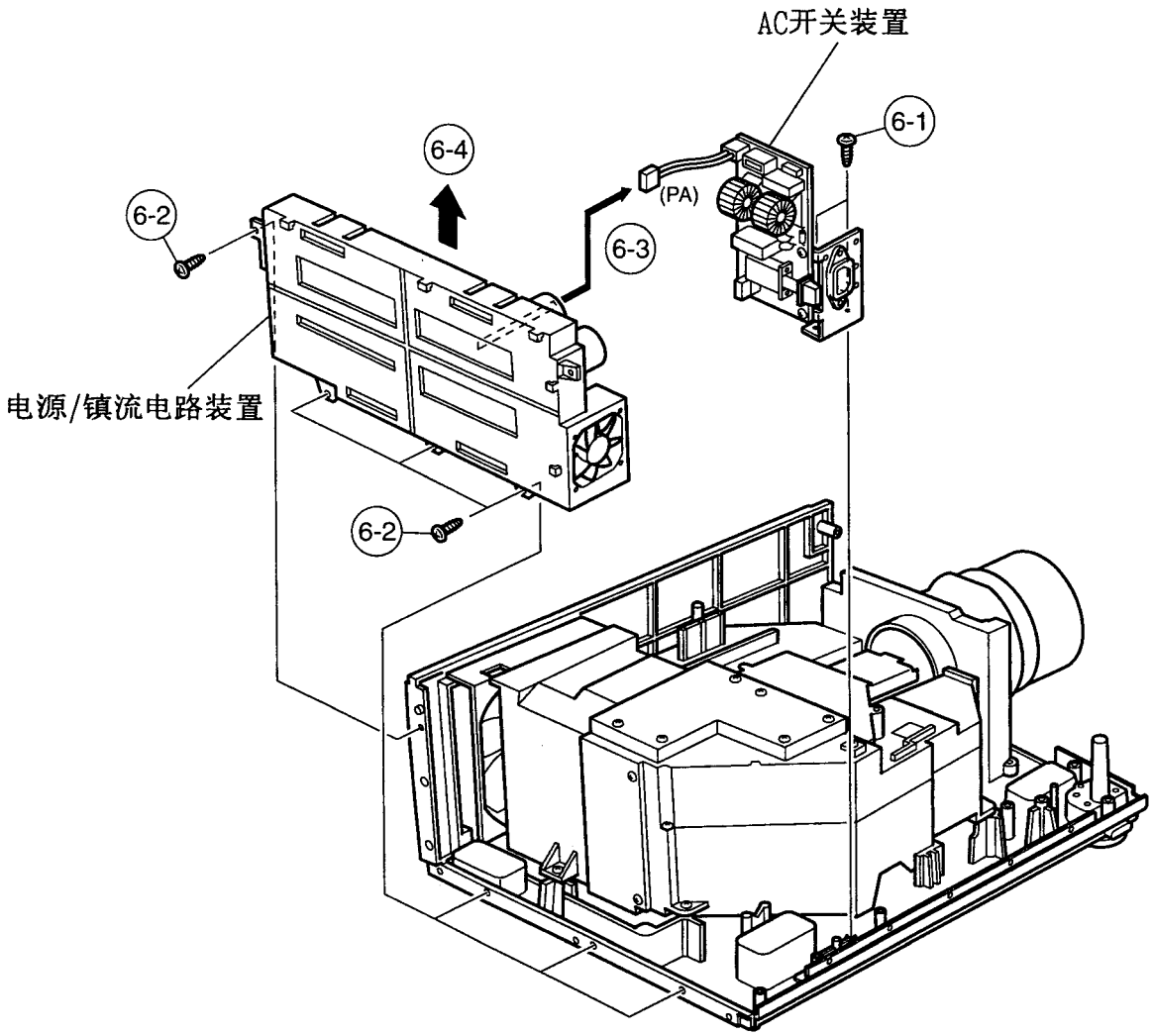
5. 信号装置和输出装置印刷电路板的拆卸

5-1. 松去光学机械装置上的三支固定螺丝。
5-2. 松去底盖上的两支固定螺丝。
5-3. 松去信号装置印刷电路板上的一支固定螺丝。
5-4. 松去输出装置印刷电路板上的三支固定螺丝。
5-5. 拆下连接信号装置印刷电路板和输出装置印刷电路板的插接器。
5-6. 取下该印刷电路板。



6. 电源与镇流电路装置印刷电路板的拆卸

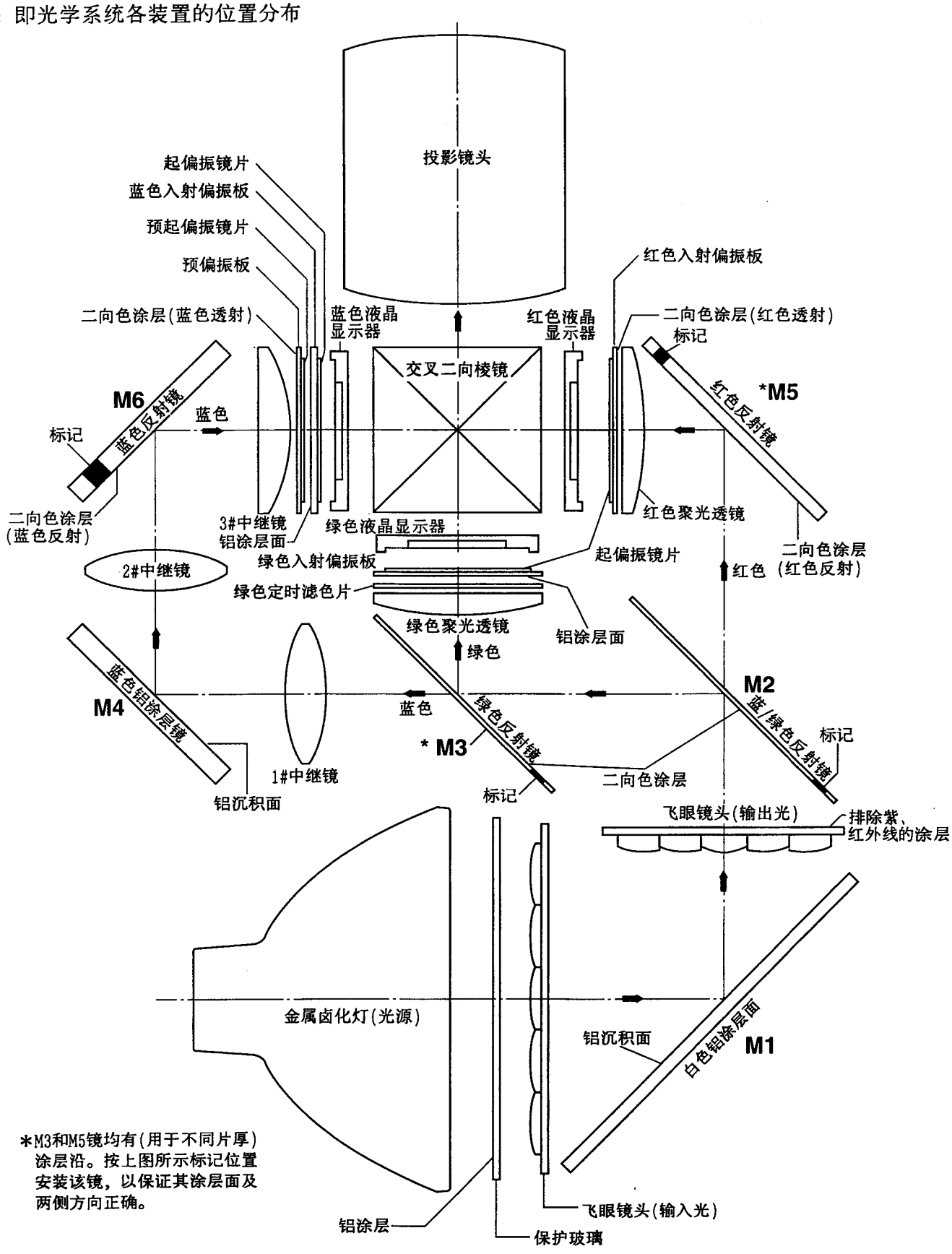
6-1. 从底盖的AC开关装置印刷电路板上松去两支固定螺丝。
6-2. 松去电源/镇流电路装置支架上的四支螺丝(位于后面)。
6-3. 松开插接器的连接。
6-4. 取下该印刷电路板。



光学装置概要

光学系统的分布图

注：即光学系统各装置的位置分布



*M3和M5镜均有(用于不同片厚)涂层沿。按上图所示标记位置安装该镜，以保证其涂层面及两侧方向正确。

会聚及焦点的调整

●此项调整应在拆下前盖、顶盖、后盖、左侧盖及信号屏蔽并打开电源开关之状态下进行。图像调整用遥控器进行。调整步骤如下所示。

1.调整投影镜头的焦点

(A)更换3原色液晶显示板

1.在更换全部原色液晶显示板之前，先在屏幕上投影一个图像，并调准其焦点。

2.拆去全部旧的原色液晶显示板，用新品更换之，并调整其焦距。调整过程中，不应变化投影机与屏幕间的距离，也不应转动投影镜头及其变焦环。
(如焦距调整用的距离关系不一，投影距离与屏幕尺寸的关系则会受到影响。也就是说，短距离投影图像(例如，40WIDE)可能会超出焦距范围，或者长距离投影图像(例如，300WIDE)可能会不达焦距范围。)

(B)更换3原色液晶显示板中的一片或两片

1.更换一片或二片原色液晶显示板后调整焦距之场合，先在屏幕上投影一个图像，并调准其焦点。

2.更换新品原色液晶显示板后，再进行焦距调整。调整过程中，不应变化投影机与屏幕间的距离，也不应转动投影镜头及其变焦环。
(如上述距离或投影镜头被变动，则需重复上述1和2之步骤。)

2.绿色液晶显示板的调整

(A)焦点调整(此项调整在全白屏幕上进行)

1.横向中心焦点(θY方向)的调整:松开锁紧螺丝“b”和“c”，插偏头螺丝刀于槽孔“b”或“c”之中。旋转此螺丝刀进行调节，让屏幕左右两半焦点清晰。
(先保持左右两半焦点的平衡，然后边进行下列2.的调整边提高焦点的准确度。)

2.纵向中心焦点(θX和Z方向)的调整：松开锁紧螺丝“a”和“b”，插偏头螺丝刀于槽孔“a”之中。旋转此螺丝刀进行调节，让屏幕顶边、纵向中心以及底边焦点清晰。这时，临时旋紧锁紧螺丝“c”，固定θY方向的调整。

3.重复上述1、2步骤，直至对焦精调完成为止。之后，旋紧所有锁紧螺丝。

注意：

①焦点调整必须谨慎进行，因为各方向的调整均是相互影响的。

②会聚和对焦调整过程中，切勿转动投影镜头的变焦环和对焦环。

(B)会聚调整

●绿色液晶显示板没有会聚调整机构。此液晶显示板起会聚调整基准之作用。

3.绿色液晶显示板的调整(红色液晶显示板的调整相同)

(A)焦点调整

●调整步骤与绿色液晶显示板的焦点调整相同，但Z方向的调整范围较小。此外，蓝色与绿色液晶显示板间会聚差异较大时，则需先调会聚后调焦点。

(B)会聚调整

●用棋盘格图案信号进行此项调整。
此项调整应用绿色或与其有关彩色来进行。
(1)松开锁紧螺丝“d”。
(2)以绿色液晶显示板在屏幕的中心为基准，沿X、Y及θZ方法调整蓝色液晶显示板。
(3)达至要求后，旋紧会聚锁紧螺丝“d”。

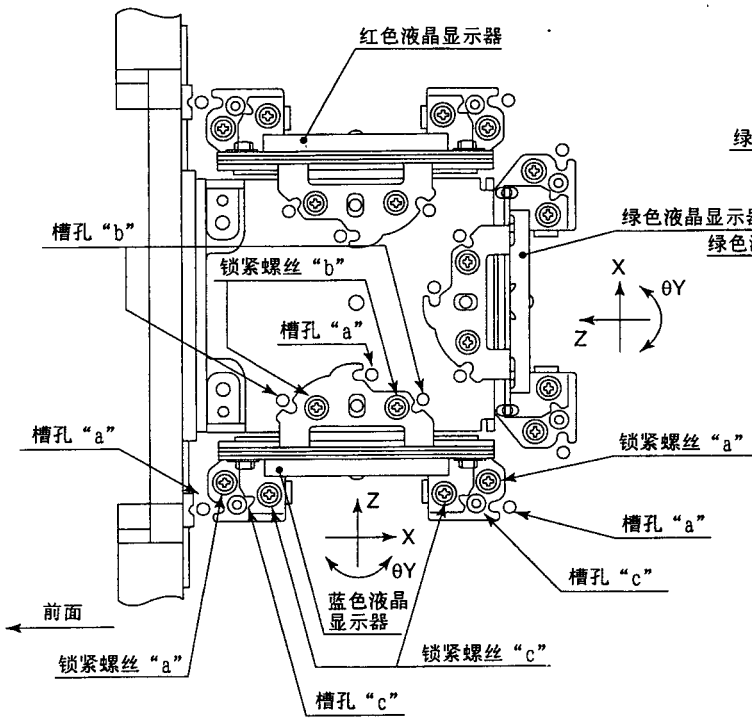
注意：

①偏心凸轮在会聚调整中起了作用。这便意味其旋转及移动并非均匀。

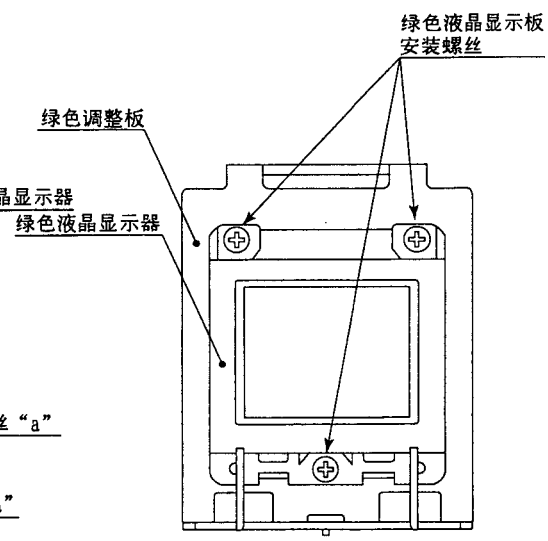
②本投影机没有装备液晶成像过程中使用了二向色涂层技术。各原色液晶显示板均达到最佳焦距调整状态时，成像自动会聚完成。

会聚和焦头调整的机构

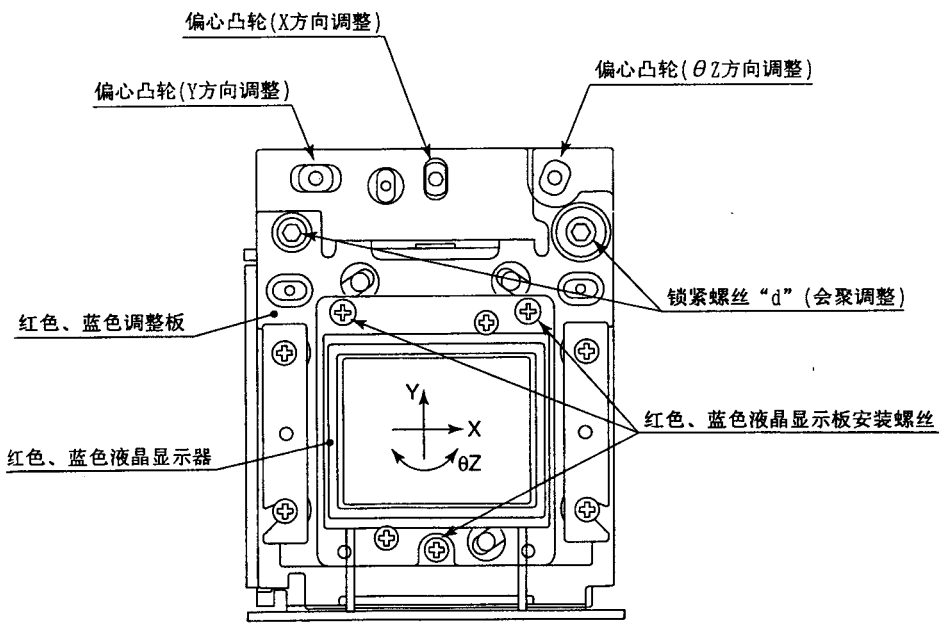
顶视图



侧视图



侧视图



会聚度和焦点的初看调整

调整方向

调整	方向	说明	液晶显示板的方向
会聚度	X方向		左右
	Y方向		上下
	θZ方向	绕Z轴旋转	旋转轴
焦点	Z direction		光学轴
	θX方向	绕X轴旋转	上至下拍打
	θY方向	绕Y轴旋转	左至右拍打

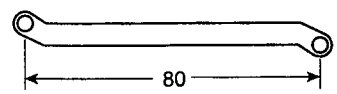
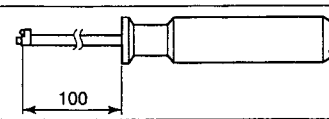
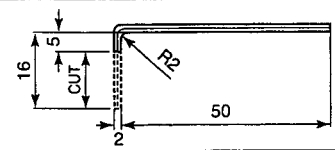
XG-SV1光学机构的会聚度和焦点的调整

色彩	调整	方向	移动	位置	调整工具	锁紧螺丝	紧固工具
红色、蓝色	会聚度	X方向	±0.8mm	偏心凸轮	偏心凸轮调整扳手	d	六角扳手
		Y方向	±0.8mm	偏心凸轮	偏心凸轮调整扳手	d	六角扳手
		θZ方向	±1°	偏心凸轮	偏心凸轮调整扳手	d	六角扳手
	焦点	Z方向	±1mm	槽孔“a”和“c”	片头螺丝刀	a, c	菲力浦螺丝刀
		θX方向	±1°	槽孔“a”和“c”		a, c	
		θY方向	±1°	槽孔“b”和“c”		b, c	
绿色	焦点	Z方向	±0.5mm	与红、蓝色相同			
		θX方向	±1°				
		θY方向	±1°				

焦点调整的其他方法

锁紧螺丝	位置	相关方向
a	槽孔“a”	Z和θX方向
b	槽孔“b”	θY方向
c	槽孔“c”	Z、θX和θY方向

会聚度和焦点的调整用工具

工具名	规格	工具代号	图样
偏心凸轮调整扳手	特殊规格	9DASPN-XGNV1U	
片头螺丝刀	特殊规格	9EQDRiVER-NV1A	
六角扳手	普通规格(重设计)	9EQLNC-XGNV1U	
菲力浦螺丝刀	普通规格	—	用于M2.6皿形头机械螺丝

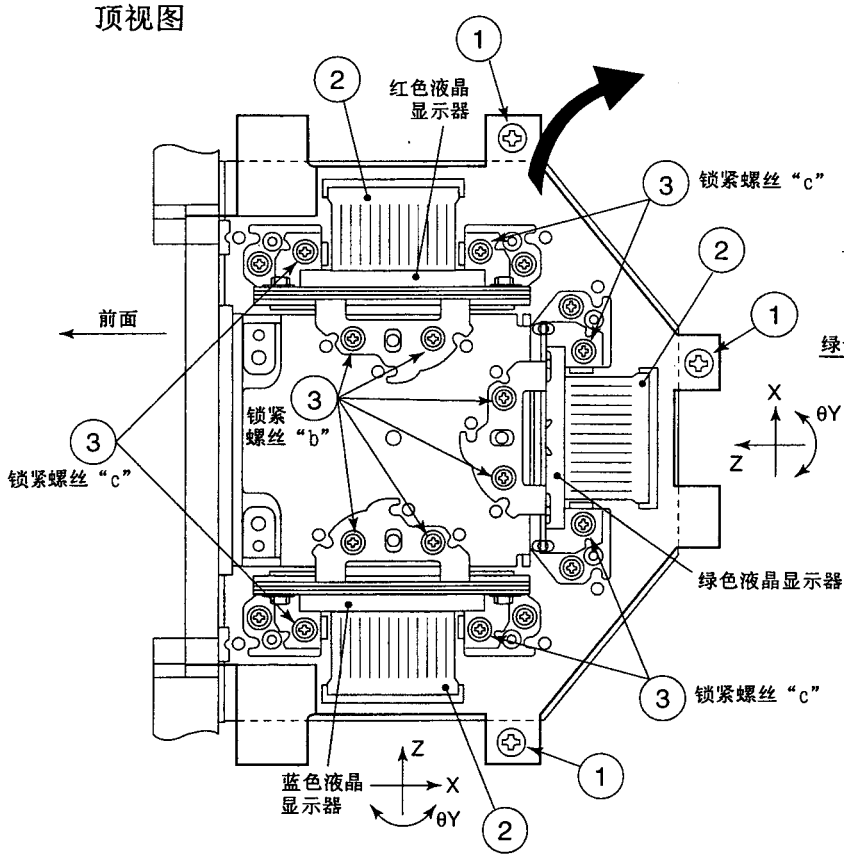
液晶显示板的更换

在拆去顶盖的状态下

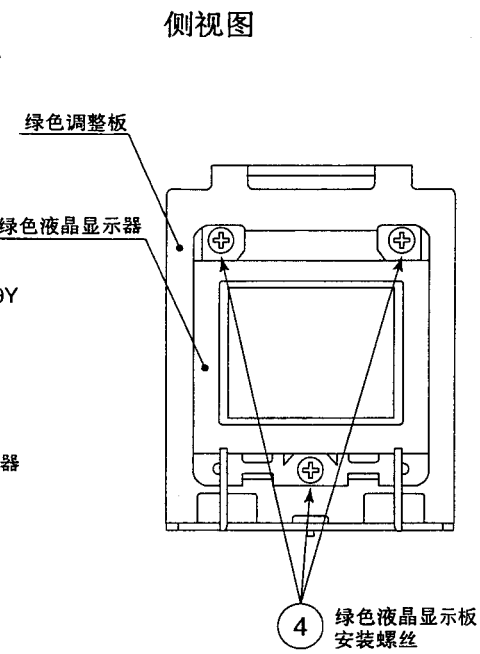
(1)拆下输出屏蔽。
(2)断开液晶显示板扁平电缆与输出电路板的连接。
(3)松去锁紧螺丝“b”和“c”。连用液晶显示板一起拆下红、蓝色调整板或绿色调整板。
(4)从液晶显示板上拆下此调整板。
(5)按上述相反顺序安装相应的新品液晶显示板。

＊更换后重调会聚度和焦点。注意，绿色液晶显示板不需作会聚调整，而且其Z方向的调整范围较小。

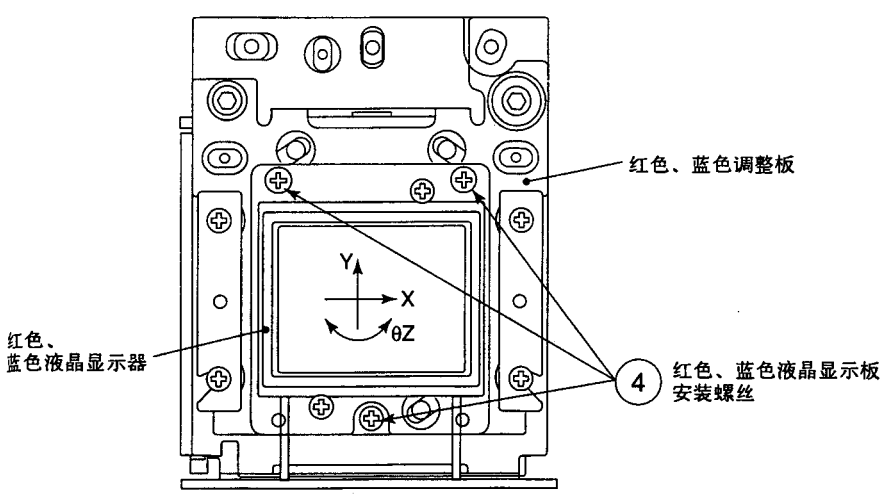
顶视图



侧视图



侧视图



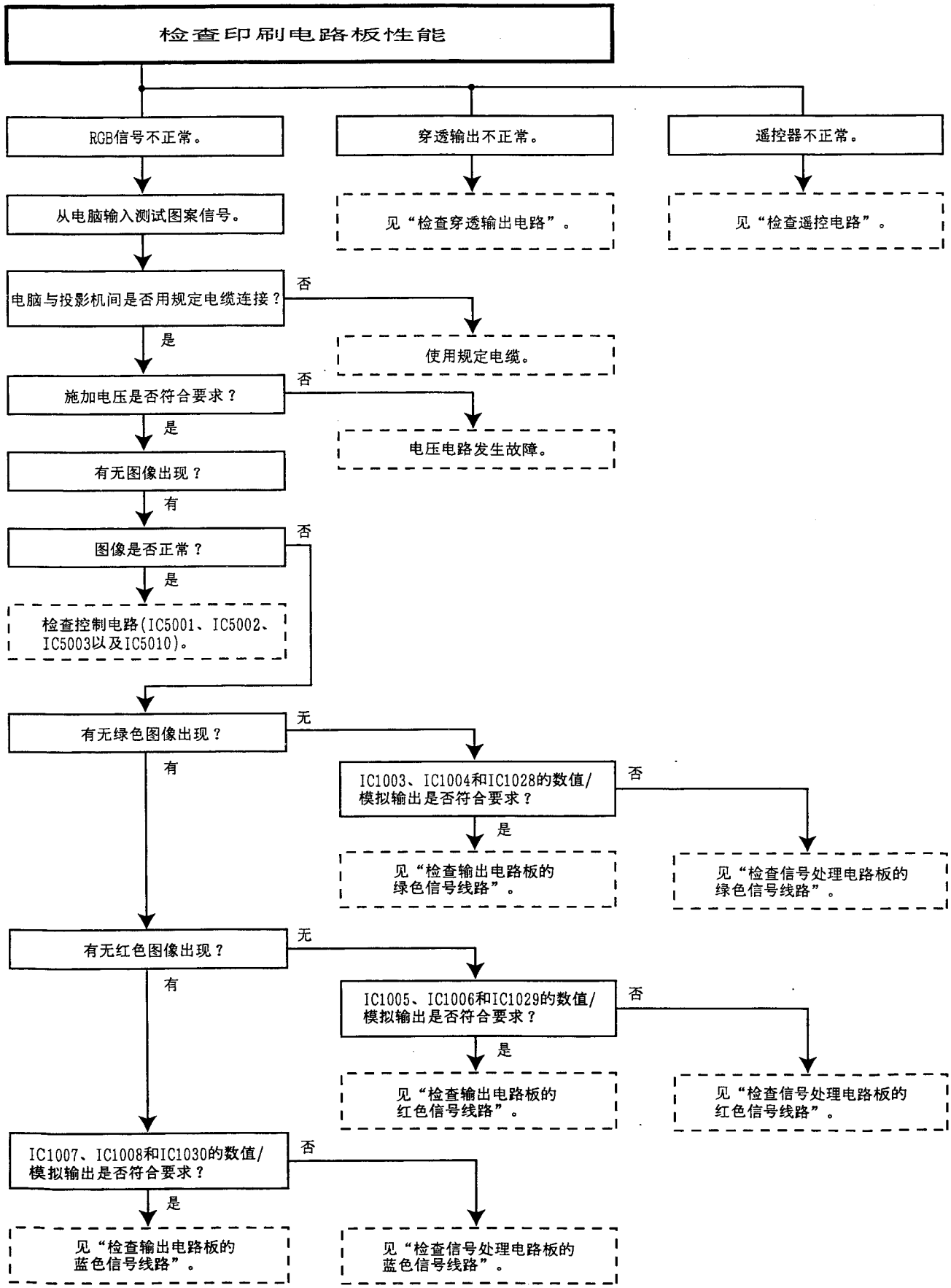
电路调整

注意：本投影机各项调整在出厂前均被调于最佳状态，在发生不符规格要求的现象或零件更换之场合，需要对相应项目重新调整。

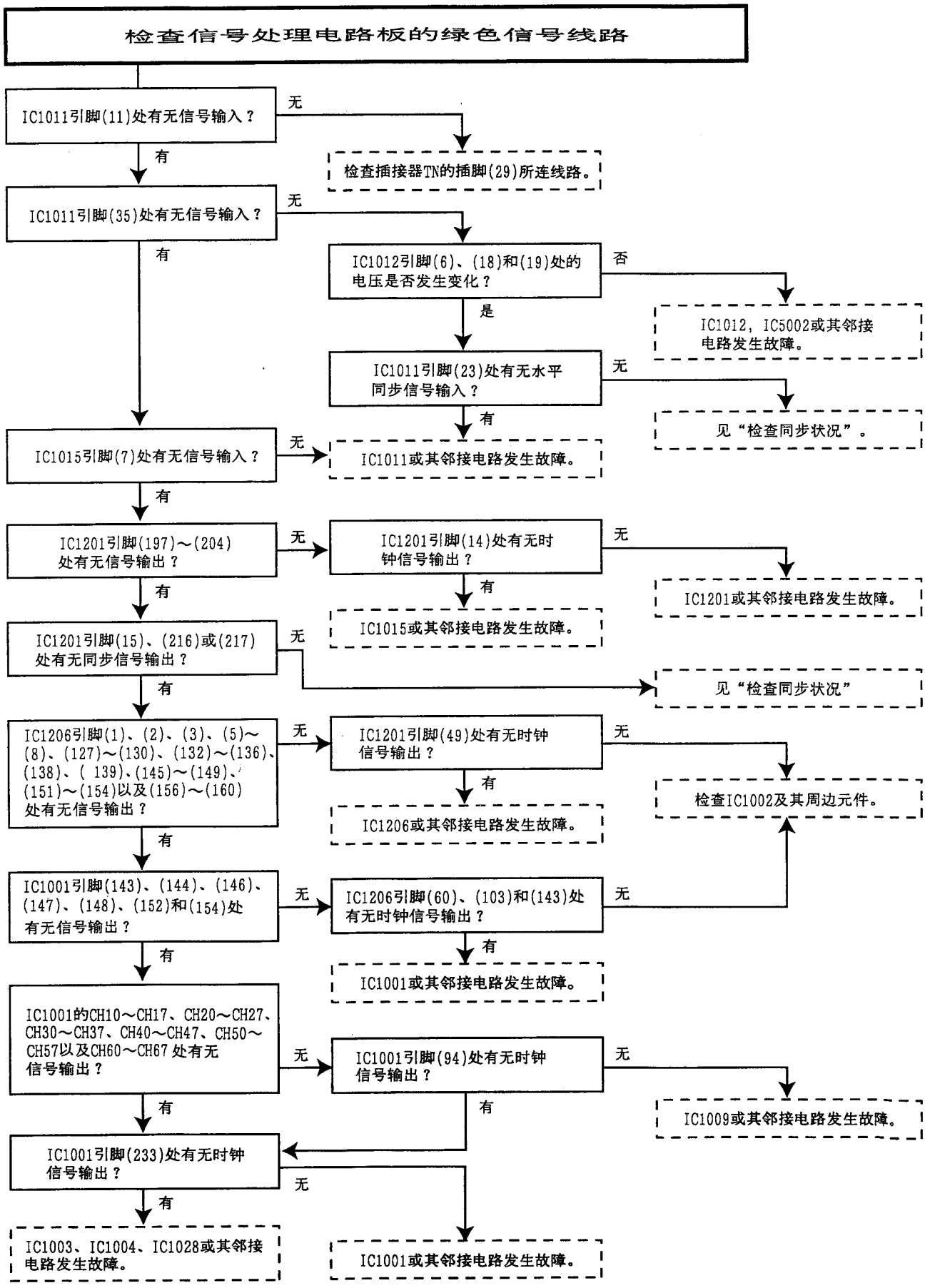
<table>
<tr><th>序号</th><th>调整位置</th><th>调整条件</th><th>调整方法</th></tr>
<tr><td>1</td><td>EEPROM
的初期化</td><td>1.打开电源开关(确认是否处于灯亮状态)，然后预热投影机15分钟。</td><td>● 按下列要求进行设定。<table><tr><th>出厂前设定</th><th>遥控器上的设定</th></tr><tr><td>S2</td><td>船运开关设于2</td></tr></table></td></tr>
<tr><td>2</td><td>红绿蓝色输入不重合的调整</td><td>1.只提供黑色信号。
主项目:A/D
副项目:ROS(红色)
GOS(绿色)
BOS(蓝色)</td><td>● 触按薄膜开关或遥控键钮，调节数据，以获得无位噪声状态。</td></tr>
<tr><td>3</td><td>红绿蓝色增益的调整</td><td>1.只提供100%绿色信号。
主项目:A/D
副项目:GAIN</td><td>● 触按薄膜开关或遥控键钮，调节数据，以获得无位噪声状态。</td></tr>
<tr><td>4</td><td>红色激励的调整</td><td>1.只提供100%红色信号。
主项目:A/D
副项目:R DRIVE</td><td>● 触按薄膜开关或遥控键钮，调节数据，以获得无位噪声状态。</td></tr>
<tr><td>5</td><td>蓝色激励的调整</td><td>1.只提供100%蓝色信号。
主项目:A/D
副项目:B DRIVE</td><td>● 触按薄膜开关或遥控键钮，调节数据，以获得无位噪声状态。</td></tr>
<tr><td>6</td><td>白色电平电压的粗调</td><td>主项目:OUTPUT
副项目:RW,
GW,
BW</td><td>● 触按薄膜开关或遥控键钮，调节数据，使60的字样显示在屏幕上。</td></tr>
<tr><td>7</td><td>黑色电平电压的粗调</td><td>主项目:OUTPUT
副项目:RW,
GW,
BW</td><td>● 触按薄膜开关或遥控键钮，调节数据，使196的字样显示在屏幕上。</td></tr>
<tr><td>8-1</td><td>白色平衡的调整</td><td>1.提供灰度测试信号。
主项目:OUTPUT
副项目:RW RB
GW GB
BW BB</td><td>● 触按薄膜开关或遥控键钮，调节数据。
● 通过白色电平电压的变化而进行黑色电平电压的粗调。(白色电平电压+黑色电平电压等于265)</td></tr>
<tr><td>8-2</td><td>RGB(红绿蓝)黑色和白色电平的调整</td><td>1.提供ANSI图案信号。
主项目:A/D
副项目:BRIGHT
GAIN</td><td>● 亮度：触按遥控器上的薄膜开关或键钮，调节屏幕上的数据至130。
● 增益：调节数据，使该数值达至主项目 3所示的数值－7的规定要求。</td></tr>
</table>

<table>
<tr><th>序号</th><th>调整位置</th><th>调整条件</th><th>调整方法</th></tr>
<tr><td>9-1</td><td>计数器电压的调整</td><td>1.提供黑色与红色(25%)条状信号(SVGA)
主项目:OUTPUT
副项目:RC(红色)</td><td>● 触按薄膜开关或遥控键钮，调节数据，使闪变效应噪声达至最小程度。</td></tr>
<tr><td>9-2</td><td>计数器电压的调整</td><td>1.提供黑色与绿色(25%)条状信号(SVGA)。
主项目:OUTPUT
副项目:GC(绿色)</td><td>● 触按薄膜开关或遥控键钮，调节数据，使闪变效应噪声达至最小程度。</td></tr>
<tr><td>9-3</td><td>计数器电压的调整</td><td>1.提供黑色与蓝色(25%)条状信号(SVGA)。
主项目:OUTPUT
副项目:BC(蓝色)</td><td>● 触按薄膜开关或遥控键钮，调节数据，使闪变效应噪声达至最小程度。</td></tr>
<tr><td>10</td><td>出厂前设定</td><td></td><td>● 按下列要求进行设定
<table><tr><th>出厂前设定</th><th>遥控器上的设定</th></tr><tr><td>S4</td><td>船运开关设于4</td></tr></table></td></tr>
</table>

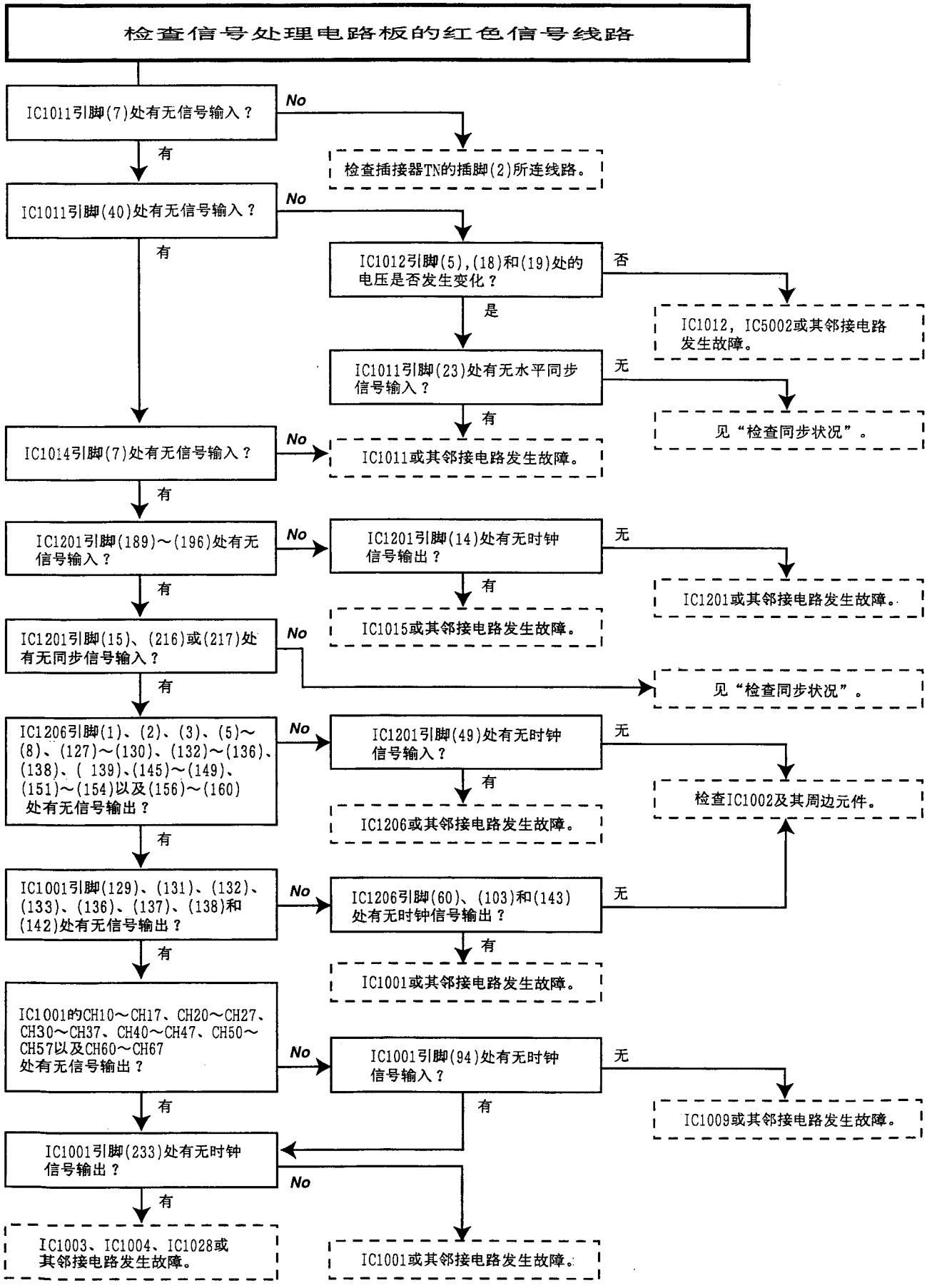
故障排除流程


检查印刷电路板性能
RGB信号不正常。
穿透输出不正常。
遥控器不正常。
从电脑输入测试图案信号。
见“检查穿透输出电路”。
见“检查遥控电路”。
电脑与投影机间是否用规定电缆连接？
否
使用规定电缆。
是
施加电压是否符合要求？
否
电压电路发生故障。
是
有无图像出现？
有
图像是否正常？
否
是
检查控制电路(IC5001、IC5002、IC5003以及IC5010)。
有无绿色图像出现？
无
有
IC1003、IC1004和IC1028的数值/模拟输出是否符合要求？
否
是
见“检查输出电路板的绿色信号线路”。
见“检查信号处理电路板的绿色信号线路”。
有无红色图像出现？
无
有
IC1005、IC1006和IC1029的数值/模拟输出是否符合要求？
否
是
见“检查输出电路板的红色信号线路”。
见“检查信号处理电路板的红色信号线路”。
IC1007、IC1008和IC1030的数值/模拟输出是否符合要求？
否
是
见“检查输出电路板的蓝色信号线路”。
见“检查信号处理电路板的蓝色信号线路”。

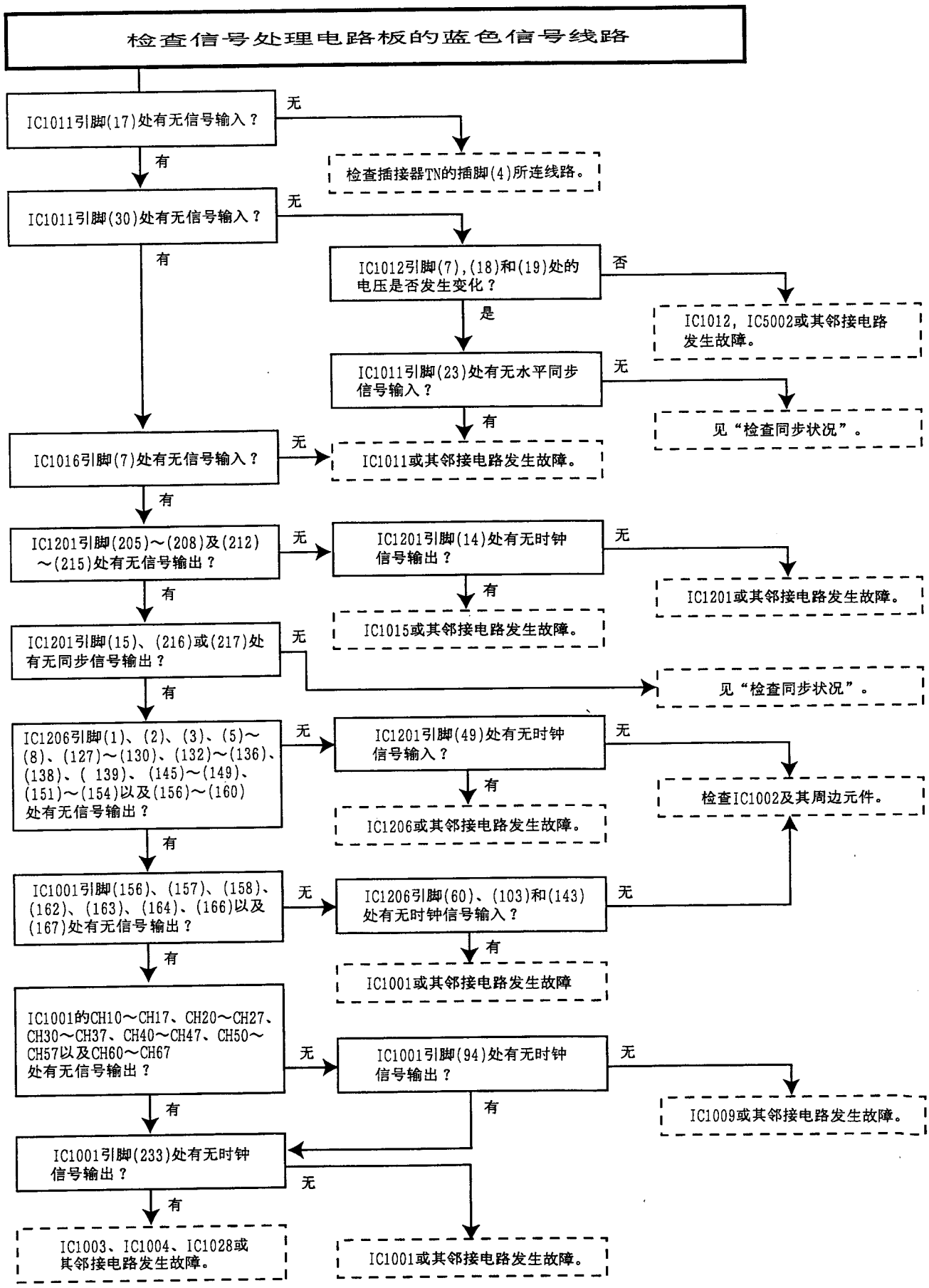
故障排除流程(接上页)


检查信号处理电路板的绿色信号线路
IC1011引脚(11)处有无信号输入？
无
检查插接器TN的插脚(29)所连线路。
有
IC1011引脚(35)处有无信号输入？
无
IC1012引脚(6)、(18)和(19)处的电压是否发生变化？
否
IC1012，IC5002或其邻接电路发生故障。
是
有
IC1011引脚(23)处有无水平同步信号输入？
无
见“检查同步状况”。
有
IC1015引脚(7)处有无信号输入？
无
IC1011或其邻接电路发生故障。
有
IC1201引脚(197)～(204)处有无信号输出？
无
IC1201引脚(14)处有无时钟信号输出？
无
IC1201或其邻接电路发生故障。
有
有
IC1015或其邻接电路发生故障。
IC1201引脚(15)、(216)或(217)处有无同步信号输出？
无
见“检查同步状况”
有
IC1206引脚(1)、(2)、(3)、(5)～(8)、(127)～(130)、(132)～(136)、(138)、(139)、(145)～(149)、(151)～(154)以及(156)～(160)处有无信号输出？
无
IC1201引脚(49)处有无时钟信号输出？
无
检查IC1002及其周边元件。
有
IC1206或其邻接电路发生故障。
有
IC1001引脚(143)、(144)、(146)、(147)、(148)、(152)和(154)处有无信号输出？
无
IC1206引脚(60)、(103)和(143)处有无时钟信号输出？
无
有
IC1001或其邻接电路发生故障。
有
IC1001的CH10～CH17、CH20～CH27、CH30～CH37、CH40～CH47、CH50～CH57以及CH60～CH67处有无信号输出？
无
IC1001引脚(94)处有无时钟信号输出？
无
IC1009或其邻接电路发生故障。
有
有
IC1001引脚(233)处有无时钟信号输出？
无
有
IC1003、IC1004、IC1028或其邻接电路发生故障。
IC1001或其邻接电路发生故障。

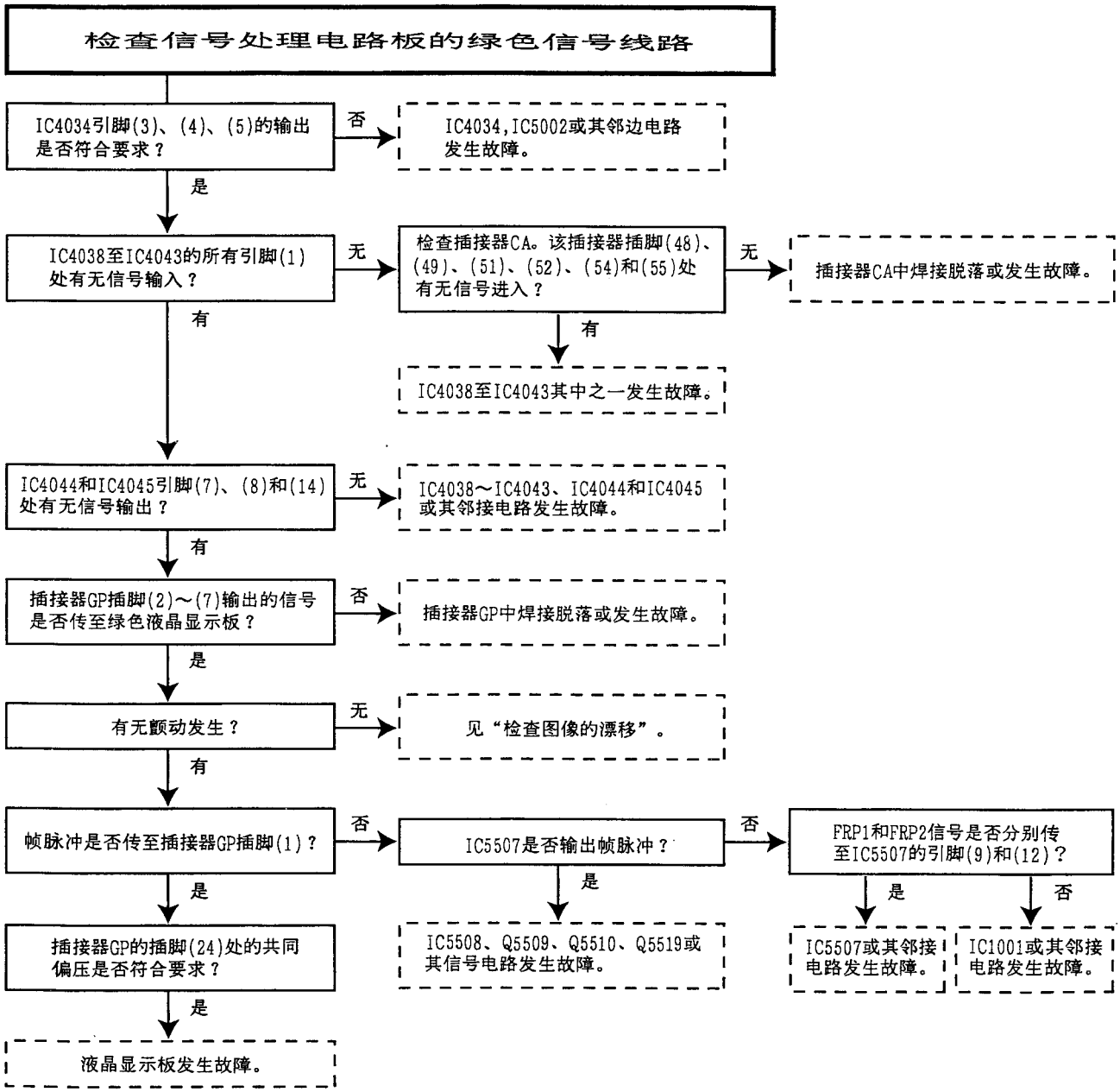
故障排除流程(接上页)

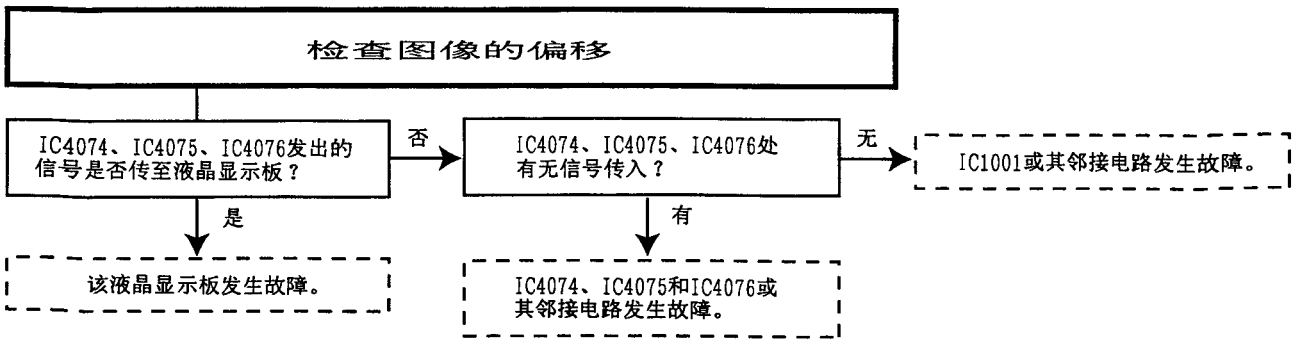

检查信号处理电路板的红色信号线路
IC1011引脚(7)处有无信号输入？
No
检查插接器TN的插脚(2)所连线路。
有
IC1011引脚(40)处有无信号输入？
No
IC1012引脚(5),(18)和(19)处的电压是否发生变化？
否
IC1012, IC5002或其邻接电路发生故障。
是
有
IC1011引脚(23)处有无水平同步信号输入？
无
见“检查同步状况”。
有
IC1014引脚(7)处有无信号输入？
No
IC1011或其邻接电路发生故障。
有
IC1201引脚(189)～(196)处有无信号输入？
No
IC1201引脚(14)处有无时钟信号输出？
无
IC1201或其邻接电路发生故障。
有
IC1015或其邻接电路发生故障。
IC1201引脚(15)、(216)或(217)处有无同步信号输入？
No
见“检查同步状况”。
有
IC1206引脚(1)、(2)、(3)、(5)～(8)、(127)～(130)、(132)～(136)、(138)、(139)、(145)～(149)、(151)～(154)以及(156)～(160)处有无信号输出？
No
IC1201引脚(49)处有无时钟信号输入？
无
检查IC1002及其周边元件。
有
IC1206或其邻接电路发生故障。
IC1001引脚(129)、(131)、(132)、(133)、(136)、(137)、(138)和(142)处有无信号输出？
No
IC1206引脚(60)、(103)和(143)处有无时钟信号输出？
无
有
IC1001或其邻接电路发生故障。
IC1001的CH10～CH17、CH20～CH27、CH30～CH37、CH40～CH47、CH50～CH57以及CH60～CH67处有无信号输出？
No
IC1001引脚(94)处有无时钟信号输入？
无
有
IC1009或其邻接电路发生故障。
有
IC1001引脚(233)处有无时钟信号输出？
No
有
IC1003、IC1004、IC1028或其邻接电路发生故障。
IC1001或其邻接电路发生故障。

故障排除流程(接上页)

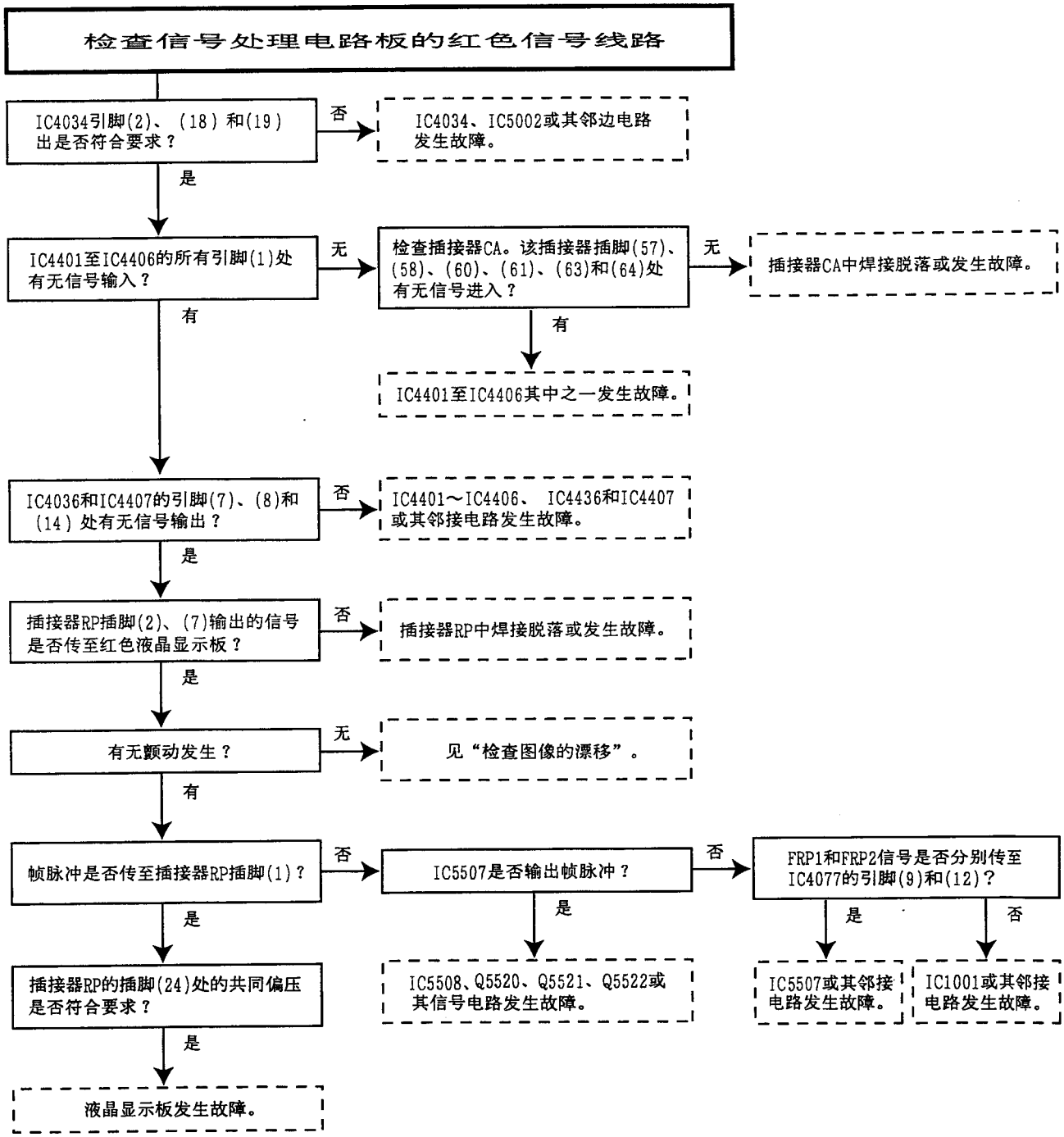

检查信号处理电路板的蓝色信号线路
IC1011引脚(17)处有无信号输入？
无
检查插接器TN的插脚(4)所连线路。
有
IC1011引脚(30)处有无信号输入？
无
IC1012引脚(7),(18)和(19)处的电压是否发生变化？
否
IC1012, IC5002或其邻接电路发生故障。
是
有
IC1011引脚(23)处有无水平同步信号输入？
无
见“检查同步状况”。
有
IC1016引脚(7)处有无信号输入？
无
IC1011或其邻接电路发生故障。
有
IC1201引脚(205)～(208)及(212)～(215)处有无信号输出？
无
IC1201引脚(14)处有无时钟信号输出？
无
IC1201或其邻接电路发生故障。
有
有
IC1015或其邻接电路发生故障。
IC1201引脚(15)、(216)或(217)处有无同步信号输出？
无
见“检查同步状况”。
有
IC1206引脚(1)、(2)、(3)、(5)～(8)、(127)～(130)、(132)～(136)、(138)、(139)、(145)～(149)、(151)～(154)以及(156)～(160)处有无信号输出？
无
IC1201引脚(49)处有无时钟信号输入？
无
检查IC1002及其周边元件。
有
有
IC1206或其邻接电路发生故障。
IC1001引脚(156)、(157)、(158)、(162)、(163)、(164)、(166)以及(167)处有无信号输出？
无
IC1206引脚(60)、(103)和(143)处有无时钟信号输入？
无
有
有
IC1001或其邻接电路发生故障
IC1001的CH10～CH17、CH20～CH27、CH30～CH37、CH40～CH47、CH50～CH57以及CH60～CH67处有无信号输出？
无
IC1001引脚(94)处有无时钟信号输出？
无
IC1009或其邻接电路发生故障。
有
有
IC1001引脚(233)处有无时钟信号输出？
无
有
IC1003、IC1004、IC1028或其邻接电路发生故障。
IC1001或其邻接电路发生故障。

故障排除流程(接上页)

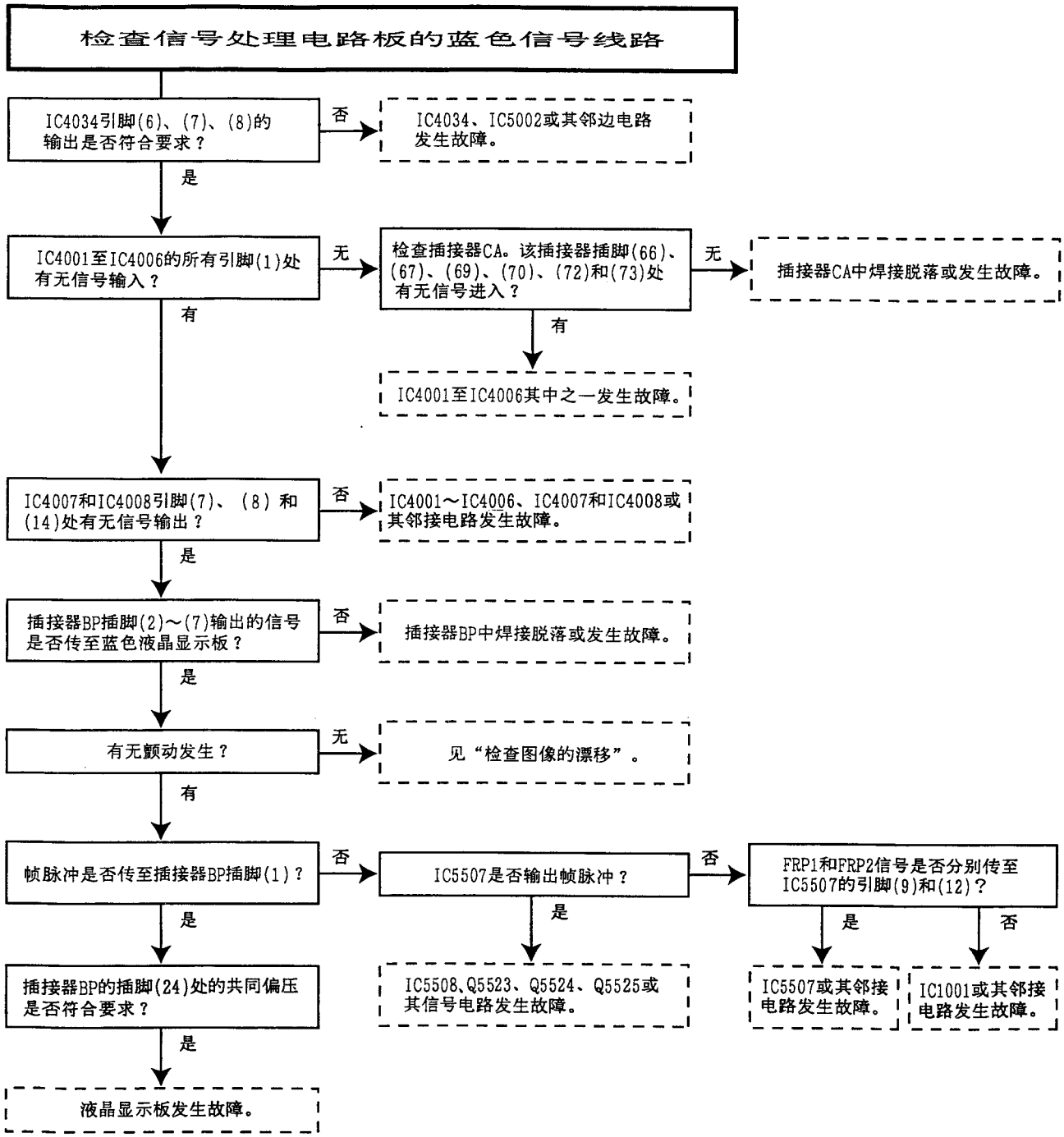

检查信号处理电路板的绿色信号线路
IC4034引脚(3)、(4)、(5)的输出是否符合要求？
否
IC4034,IC5002或其邻边电路发生故障。
是
IC4038至IC4043的所有引脚(1)处有无信号输入？
无
检查插接器CA。该插接器插脚(48)、(49)、(51)、(52)、(54)和(55)处有无信号进入？
无
插接器CA中焊接脱落或发生故障。
有
有
IC4038至IC4043其中之一发生故障。
IC4044和IC4045引脚(7)、(8)和(14)处有无信号输出？
无
IC4038～IC4043、IC4044和IC4045或其邻接电路发生故障。
有
插接器GP插脚(2)～(7)输出的信号是否传至绿色液晶显示板？
否
插接器GP中焊接脱落或发生故障。
是
有无颤动发生？
无
见“检查图像的漂移”。
有
帧脉冲是否传至插接器GP插脚(1)？
否
IC5507是否输出帧脉冲？
否
FRP1和FRP2信号是否分别传至IC5507的引脚(9)和(12)？
是
是
是
否
插接器GP的插脚(24)处的共同偏压是否符合要求？
IC5508、Q5509、Q5510、Q5519或其信号电路发生故障。
IC5507或其邻接电路发生故障。
IC1001或其邻接电路发生故障。
是
液晶显示板发生故障。


检查图像的偏移
IC4074、IC4075、IC4076发出的信号是否传至液晶显示板？
否
IC4074、IC4075、IC4076处有无信号传入？
无
IC1001或其邻接电路发生故障。
是
有
该液晶显示板发生故障。
IC4074、IC4075和IC4076或其邻接电路发生故障。

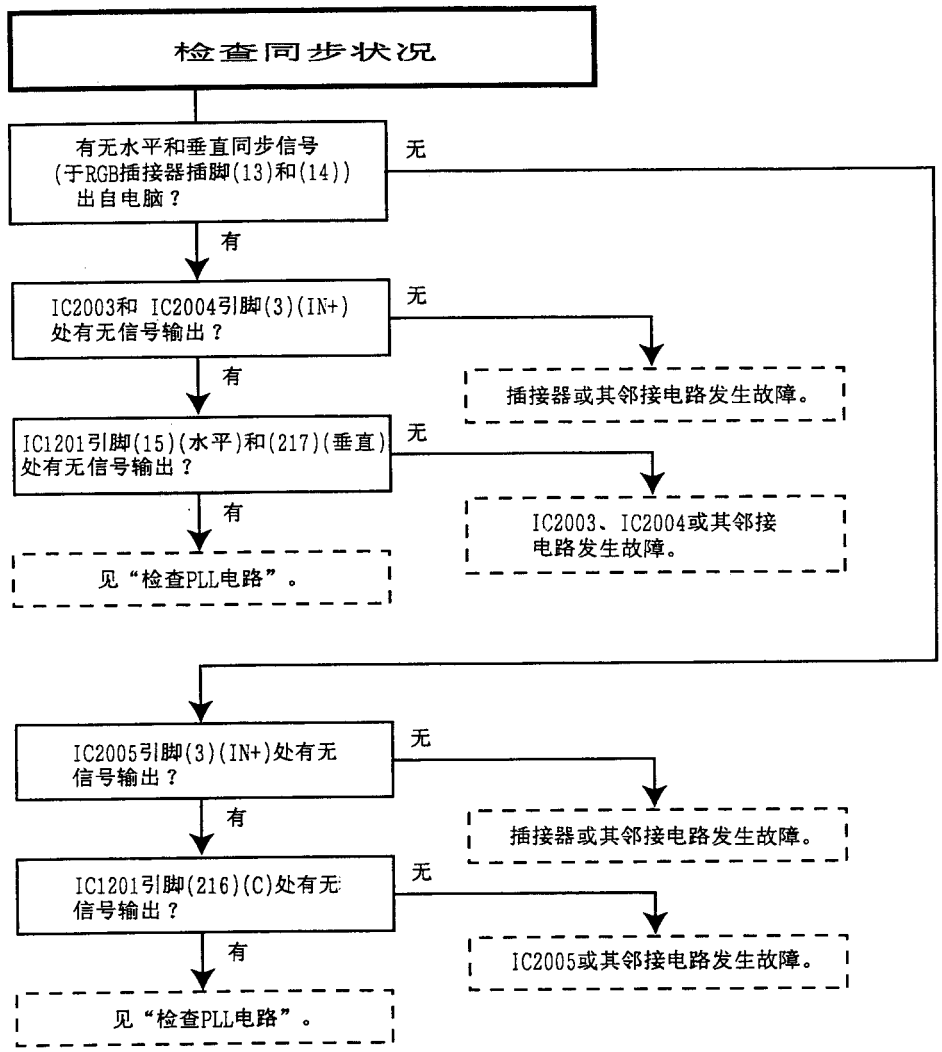
故障排除流程(接上页)

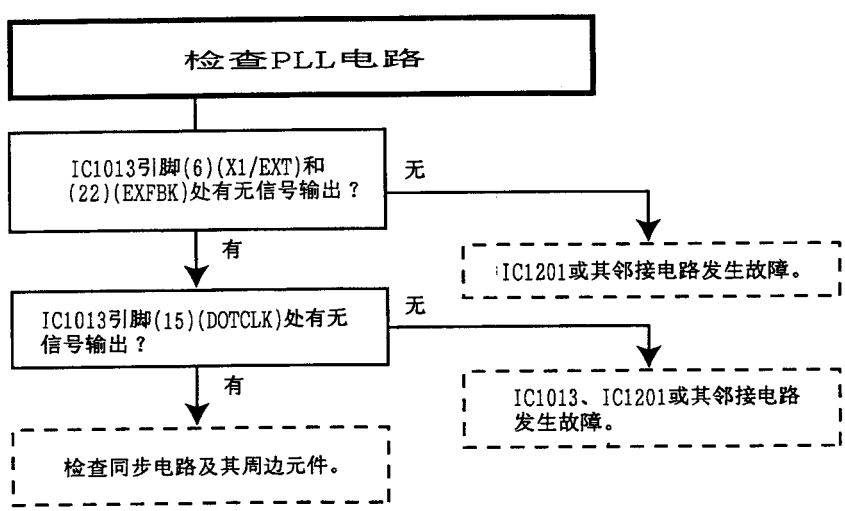

检查信号处理电路板的红色信号线路
IC4034引脚(2)、(18)和(19)出是否符合要求？
否
IC4034、IC5002或其邻边电路发生故障。
是
IC4401至IC4406的所有引脚(1)处有无信号输入？
无
检查插接器CA。该插接器插脚(57)、(58)、(60)、(61)、(63)和(64)处有无信号进入？
无
插接器CA中焊接脱落或发生故障。
有
有
IC4401至IC4406其中之一发生故障。
IC4036和IC4407的引脚(7)、(8)和(14)处有无信号输出？
否
IC4401～IC4406、IC4436和IC4407或其邻接电路发生故障。
是
插接器RP插脚(2)、(7)输出的信号是否传至红色液晶显示板？
否
插接器RP中焊接脱落或发生故障。
是
有无颤动发生？
无
见“检查图像的漂移”。
有
帧脉冲是否传至插接器RP插脚(1)？
否
IC5507是否输出帧脉冲？
否
FRP1和FRP2信号是否分别传至IC4077的引脚(9)和(12)？
是
是
否
插接器RP的插脚(24)处的共同偏压是否符合要求？
IC5508、Q5520、Q5521、Q5522或其信号电路发生故障。
IC5507或其邻接电路发生故障。
IC1001或其邻接电路发生故障。
是
液晶显示板发生故障。

故障排除流程(接上页)

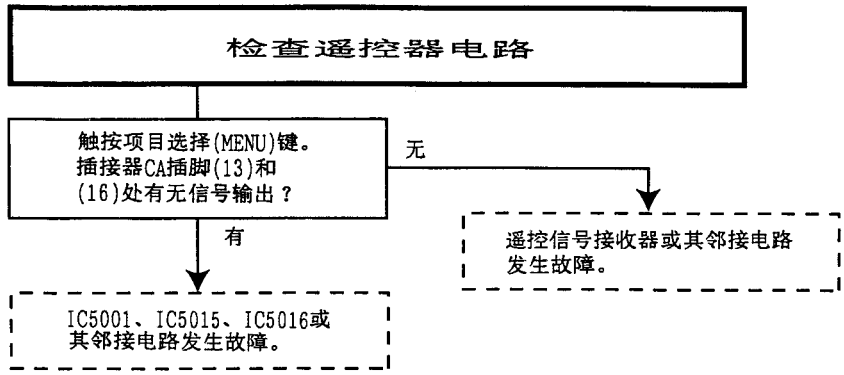

检查信号处理电路板的蓝色信号线路
IC4034引脚(6)、(7)、(8)的输出是否符合要求？
否
IC4034、IC5002或其邻边电路发生故障。
是
IC4001至IC4006的所有引脚(1)处有无信号输入？
无
检查插接器CA。该插接器插脚(66)、(67)、(69)、(70)、(72)和(73)处有无信号进入？
无
插接器CA中焊接脱落或发生故障。
有
IC4001至IC4006其中之一发生故障。
有
IC4007和IC4008引脚(7)、(8)和(14)处有无信号输出？
否
IC4001～IC4006、IC4007和IC4008或其邻接电路发生故障。
是
插接器BP插脚(2)～(7)输出的信号是否传至蓝色液晶显示板？
否
插接器BP中焊接脱落或发生故障。
是
有无颤动发生？
无
见“检查图像的漂移”。
有
帧脉冲是否传至插接器BP插脚(1)？
否
IC5507是否输出帧脉冲？
否
FRP1和FRP2信号是否分别传至IC5507的引脚(9)和(12)？
是
是
IC5508、Q5523、Q5524、Q5525或其信号电路发生故障。
是
否
IC5507或其邻接电路发生故障。
IC1001或其邻接电路发生故障。
是
插接器BP的插脚(24)处的共同偏压是否符合要求？
是
液晶显示板发生故障。

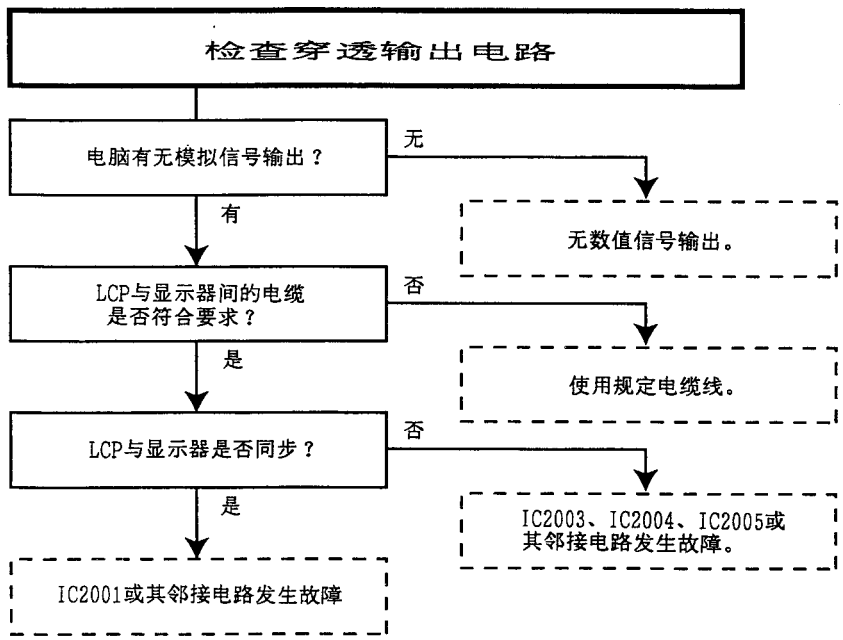
故障排除流程(接上页)


检查同步状况
有无水平和垂直同步信号(于RGB插接器插脚(13)和(14))出自电脑？
无
有
IC2003和 IC2004引脚(3)(IN+)处有无信号输出？
无
插接器或其邻接电路发生故障。
有
IC1201引脚(15)(水平)和(217)(垂直)处有无信号输出？
无
IC2003、IC2004或其邻接电路发生故障。
有
见“检查PLL电路”。
IC2005引脚(3)(IN+)处有无信号输出？
无
插接器或其邻接电路发生故障。
有
IC1201引脚(216)(C)处有无信号输出？
无
IC2005或其邻接电路发生故障。
有
见“检查PLL电路”。

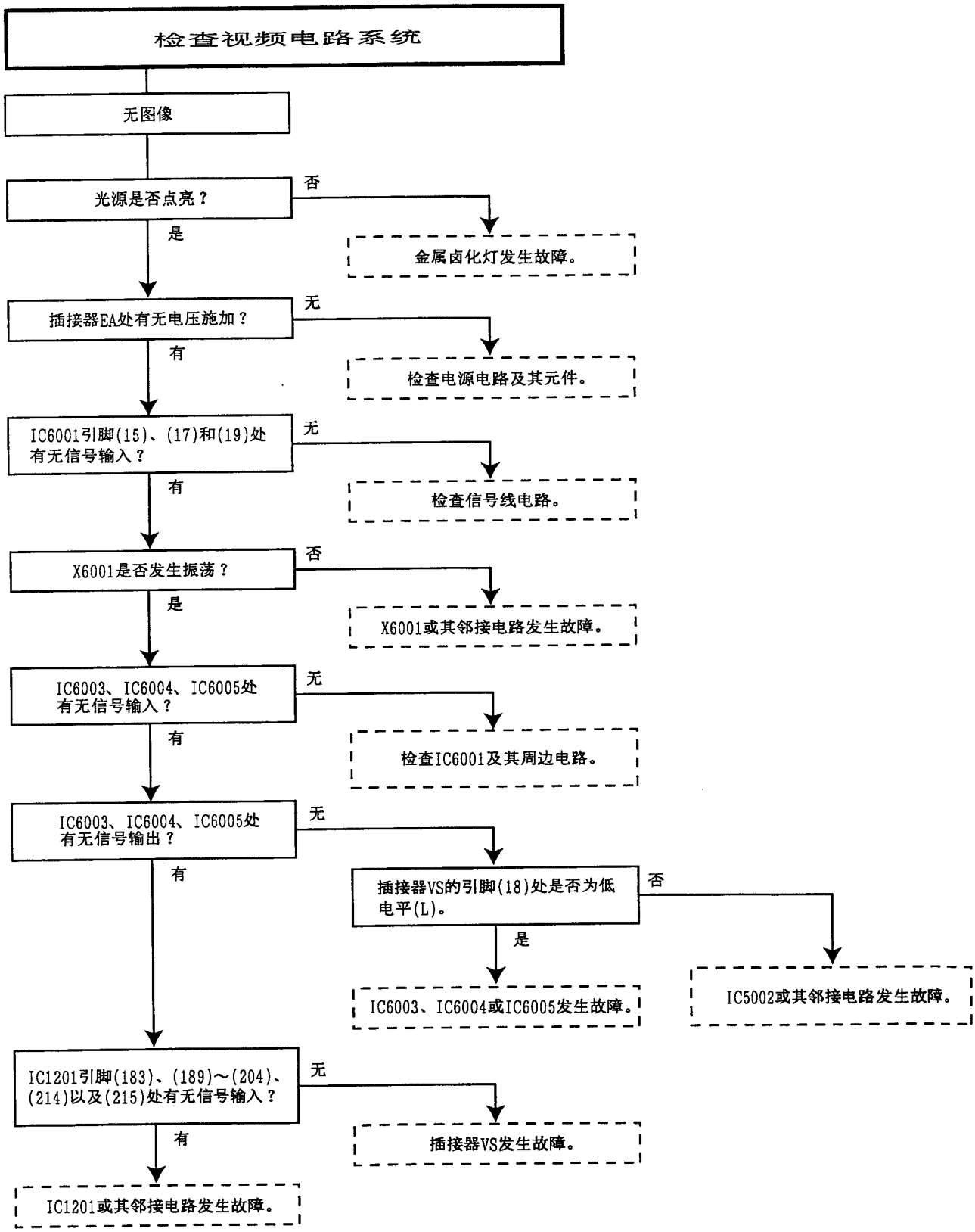

检查PLL电路
IC1013引脚(6)(X1/EXT)和(22)(EXFBK)处有无信号输出？
无
IC1201或其邻接电路发生故障。
有
IC1013引脚(15)(DOTCLK)处有无信号输出？
无
IC1013、IC1201或其邻接电路发生故障。
有
检查同步电路及其周边元件。

故障排除流程(接上页)

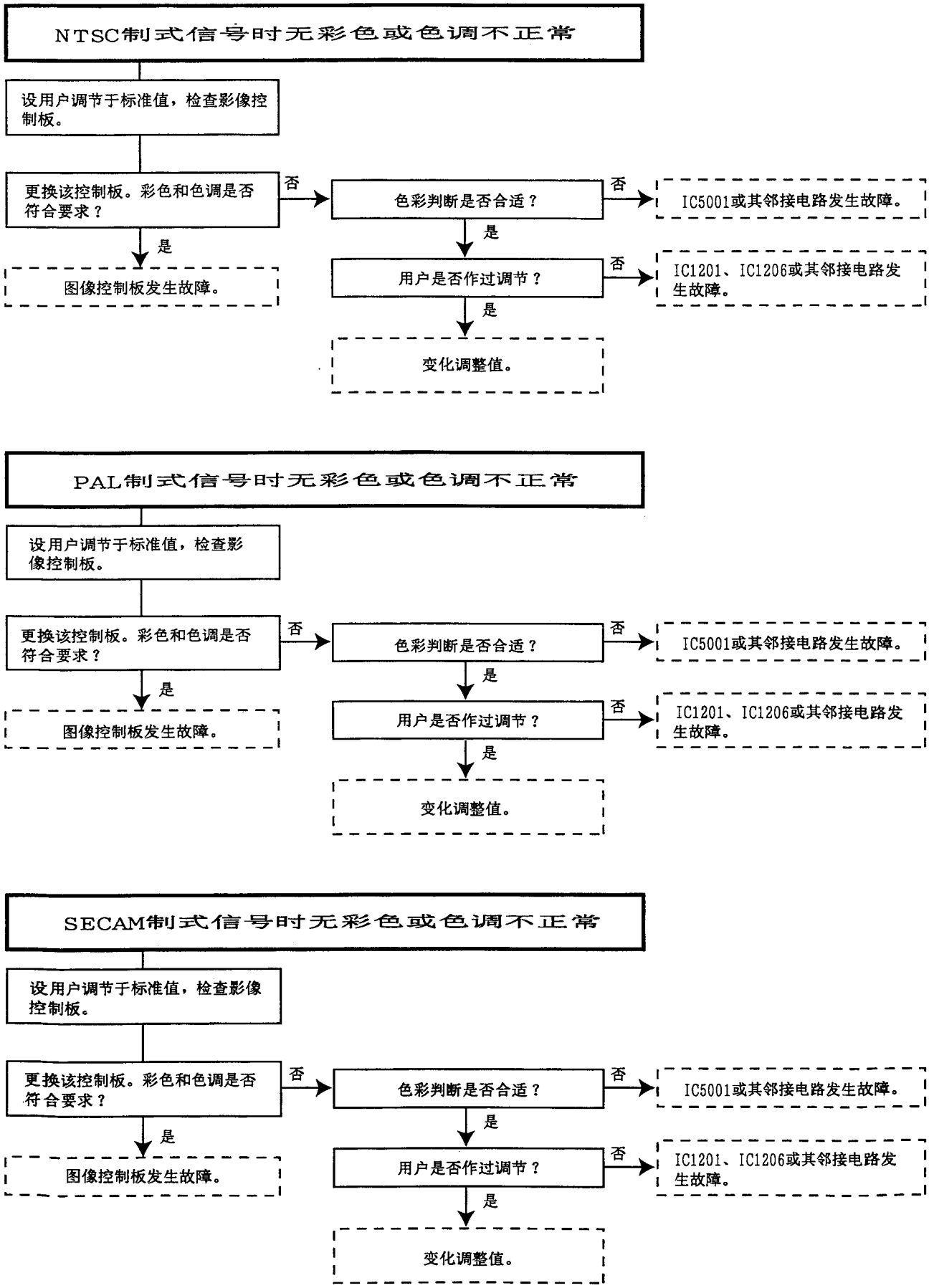

检查遥控器电路
触按项目选择(MENU)键。
插接器CA插脚(13)和
(16)处有无信号输出？
无
有
遥控信号接收器或其邻接电路
发生故障。
IC5001、IC5015、IC5016或
其邻接电路发生故障。


检查穿透输出电路
电脑有无模拟信号输出？
无
有
无数值信号输出。
LCP与显示器间的电缆
是否符合要求？
否
是
使用规定电缆线。
LCP与显示器是否同步？
否
是
IC2003、IC2004、IC2005或
其邻接电路发生故障。
IC2001或其邻接电路发生故障

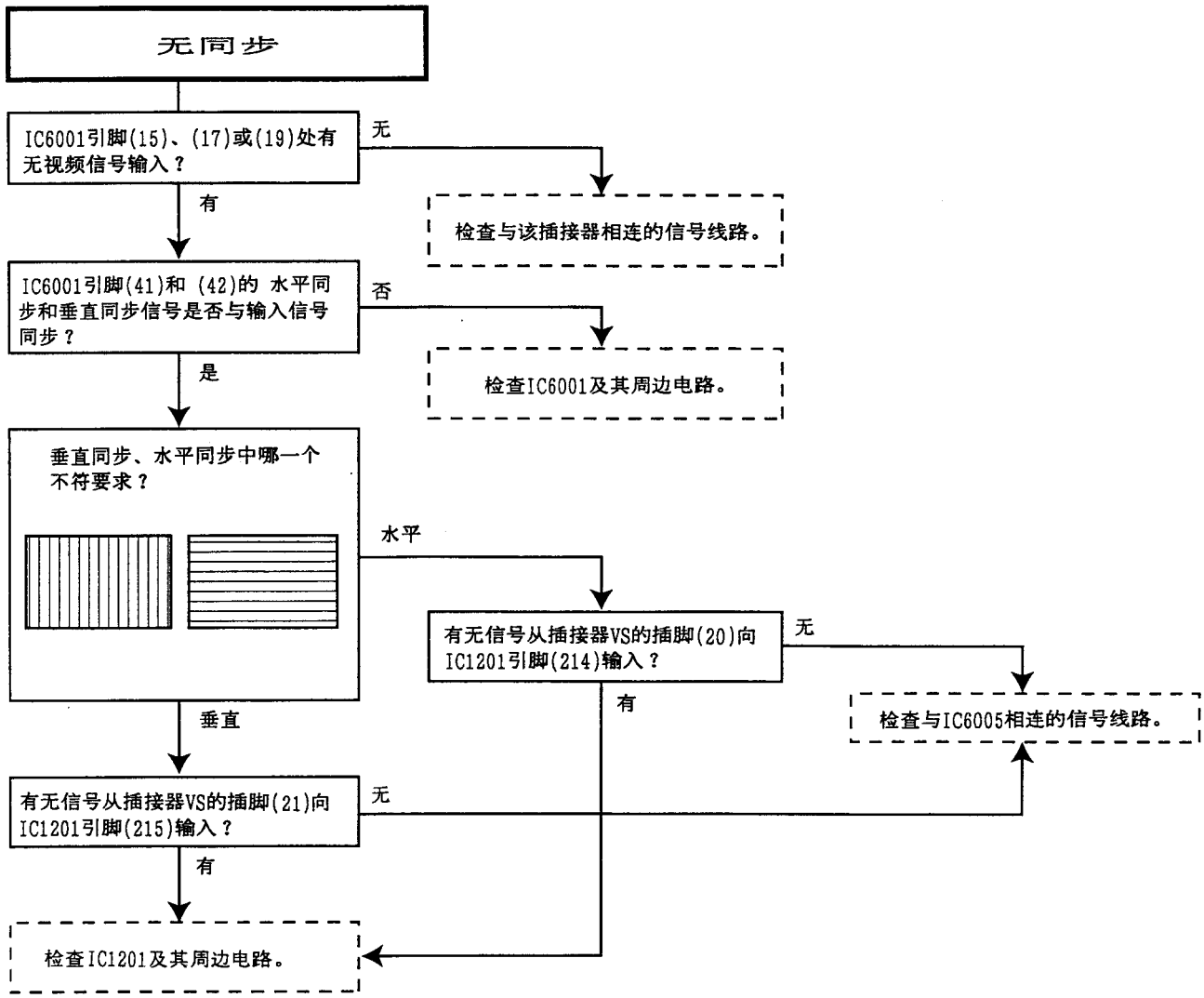
故障排除流程(接上页)


检查视频电路系统
无图像
光源是否点亮？
否
是
金属卤化灯发生故障。
插接器EA处有无电压施加？
无
有
检查电源电路及其元件。
IC6001引脚(15)、(17)和(19)处有无信号输入？
无
有
检查信号线电路。
X6001是否发生振荡？
否
是
X6001或其邻接电路发生故障。
IC6003、IC6004、IC6005处有无信号输入？
无
有
检查IC6001及其周边电路。
IC6003、IC6004、IC6005处有无信号输出？
无
有
插接器VS的引脚(18)处是否为低电平(L)。
否
是
IC6003、IC6004或IC6005发生故障。
IC5002或其邻接电路发生故障。
IC1201引脚(183)、(189)～(204)、(214)以及(215)处有无信号输入？
无
有
插接器VS发生故障。
IC1201或其邻接电路发生故障。

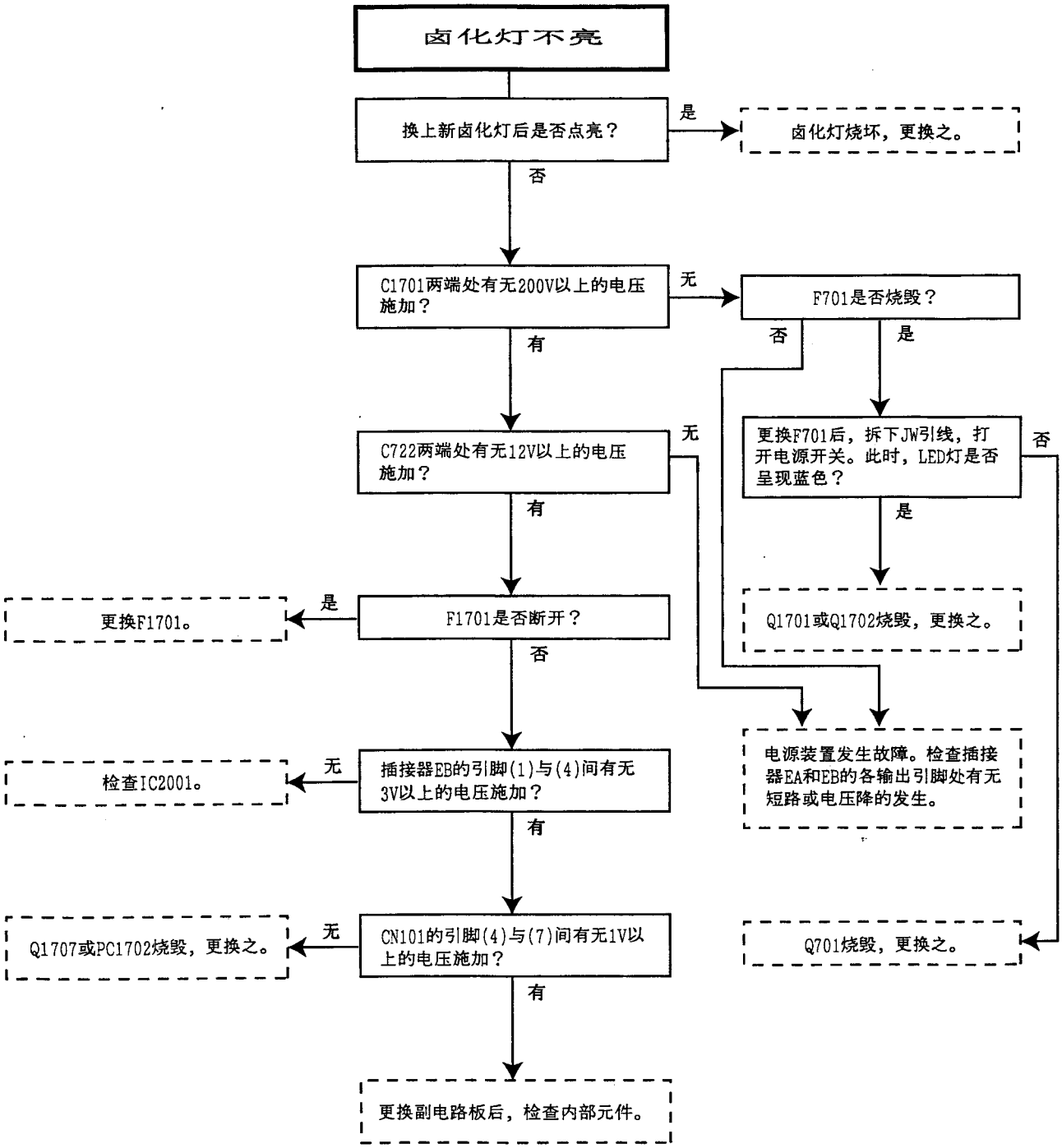
故障排除流程(接上页)


NTSC制式信号时无彩色或色调不正常
设用户调节于标准值，检查影像控制板。
更换该控制板。彩色和色调是否符合要求？
否
色彩判断是否合适？
否
IC5001或其邻接电路发生故障。
是
是
用户是否作过调节？
否
IC1201、IC1206或其邻接电路发生故障。
图像控制板发生故障。
是
变化调整值。
PAL制式信号时无彩色或色调不正常
设用户调节于标准值，检查影像控制板。
更换该控制板。彩色和色调是否符合要求？
否
色彩判断是否合适？
否
IC5001或其邻接电路发生故障。
是
是
用户是否作过调节？
否
IC1201、IC1206或其邻接电路发生故障。
图像控制板发生故障。
是
变化调整值。
SECAM制式信号时无彩色或色调不正常
设用户调节于标准值，检查影像控制板。
更换该控制板。彩色和色调是否符合要求？
否
色彩判断是否合适？
否
IC5001或其邻接电路发生故障。
是
是
用户是否作过调节？
否
IC1201、IC1206或其邻接电路发生故障。
图像控制板发生故障。
是
变化调整值。

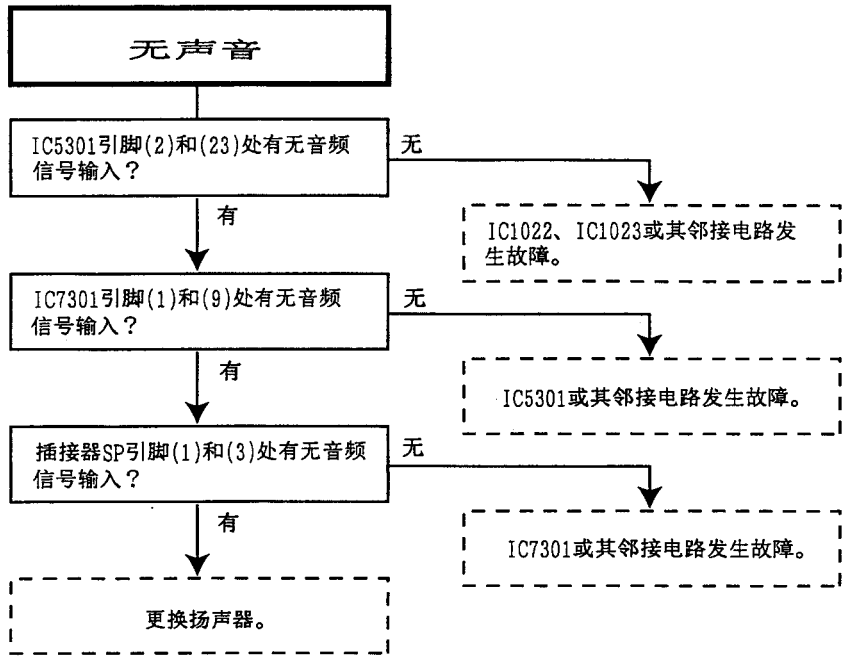
故障排除流程(接上页)

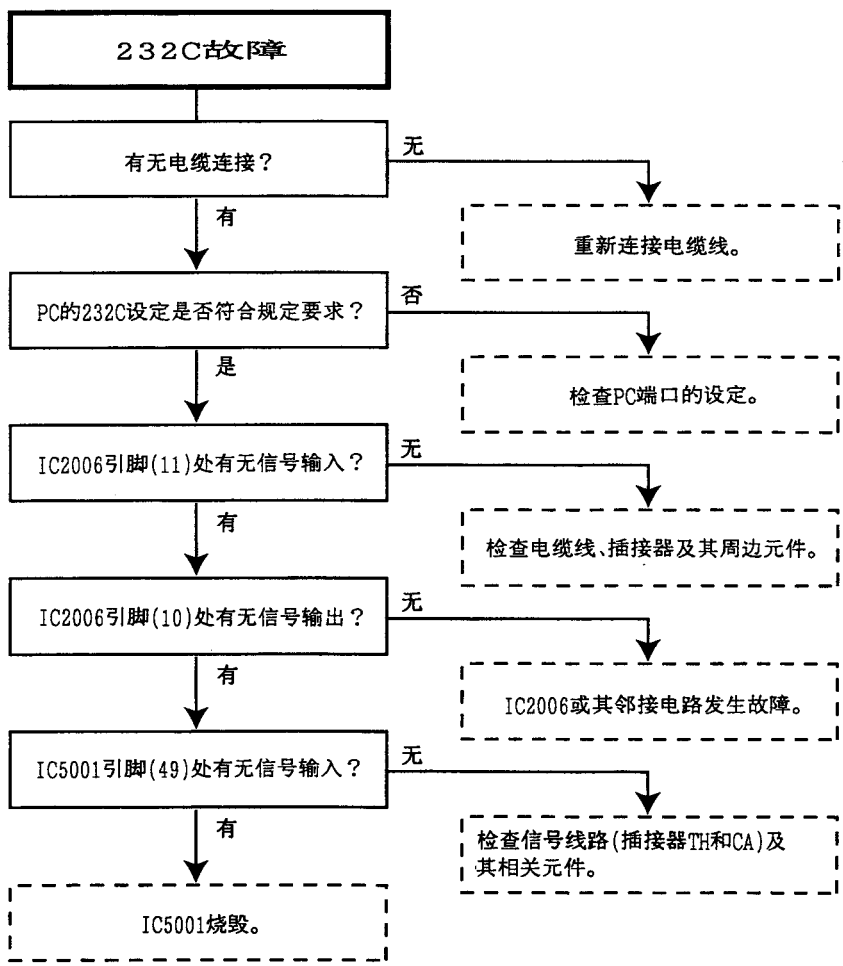

无同步
IC6001引脚(15)、(17)或(19)处有无视频信号输入？
无
有
检查与该插接器相连的信号线路。
IC6001引脚(41)和 (42)的 水平同步和垂直同步信号是否与输入信号同步？
否
是
检查IC6001及其周边电路。
垂直同步、水平同步中哪一个不符要求？
水平
垂直
有无信号从插接器VS的插脚(20)向IC1201引脚(214)输入？
无
有
检查与IC6005相连的信号线路。
有无信号从插接器VS的插脚(21)向IC1201引脚(215)输入？
无
有
检查IC1201及其周边电路。

故障排除流程(接上页)


卤化灯不亮
换上新卤化灯后是否点亮？
是
卤化灯烧坏，更换之。
否
C1701两端处有无200V以上的电压施加？
无
F701是否烧毁？
否
是
有
C722两端处有无12V以上的电压施加？
无
更换F701后，拆下JW引线，打开电源开关。此时，LED灯是否呈现蓝色？
否
是
有
是
更换F1701。
F1701是否断开？
Q1701或Q1702烧毁，更换之。
否
电源装置发生故障。检查插接器EA和EB的各输出引脚处有无短路或电压降的发生。
无
检查IC2001。
插接器EB的引脚(1)与(4)间有无3V以上的电压施加？
有
无
Q1707或PC1702烧毁，更换之。
CN101的引脚(4)与(7)间有无1V以上的电压施加？
Q701烧毁，更换之。
有
更换副电路板后，检查内部元件。

故障排除流程(接上页)

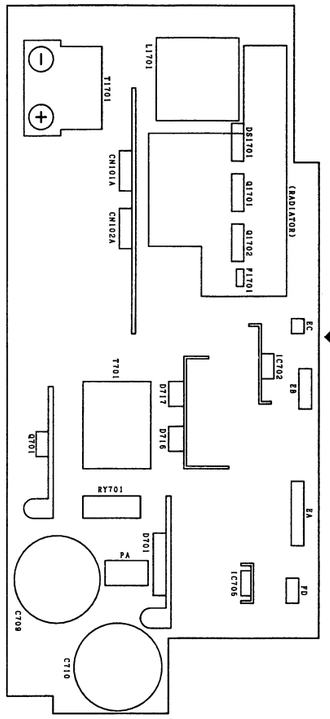

无声音
IC5301引脚(2)和(23)处有无音频信号输入？
无
有
IC1022、IC1023或其邻接电路发生故障。
IC7301引脚(1)和(9)处有无音频信号输入？
无
有
IC5301或其邻接电路发生故障。
插接器SP引脚(1)和(3)处有无音频信号输入？
无
有
IC7301或其邻接电路发生故障。
更换扬声器。


232C故障
有无电缆连接？
无
有
重新连接电缆线。
PC的232C设定是否符合规定要求？
否
是
检查PC端口的设定。
IC2006引脚(11)处有无信号输入？
无
有
检查电缆线、插接器及其周边元件。
IC2006引脚(10)处有无信号输出？
无
有
IC2006或其邻接电路发生故障。
IC5001引脚(49)处有无信号输入？
无
有
检查信号线路(插接器TH和CA)及其相关元件。
IC5001烧毁。

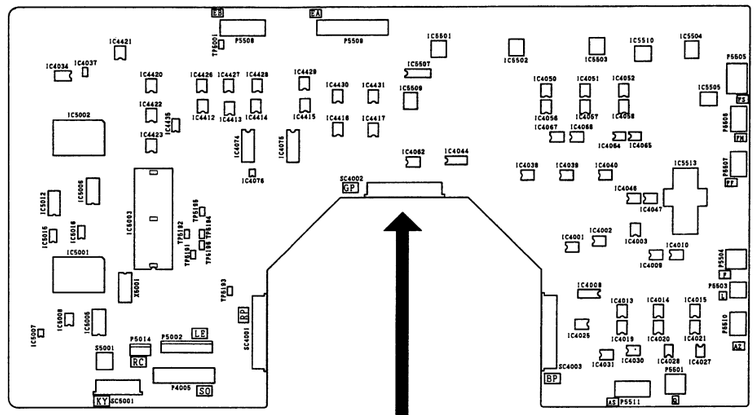
Memo

CHASSIS LAYOUT / CHASSIS-ANORDNUNG 机芯底盘电路布置

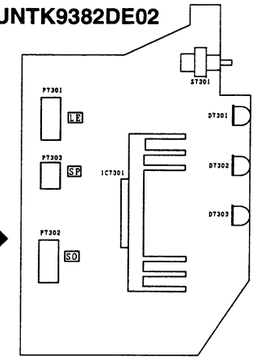
POWER/BALLAST UNIT
CDENC0232CE01



OUTPUT UNIT
DUNTK9346DE02

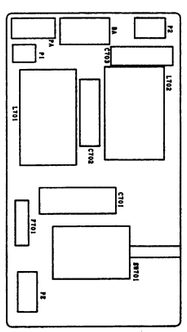


LED UNIT
DUNTK9382DE02

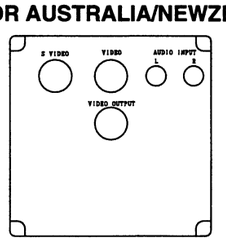


INFRARED R/C UNIT
DUNTK9381DE02

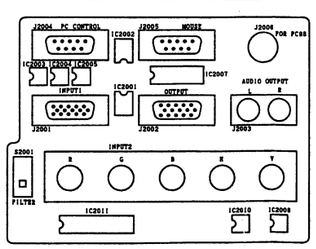
AC-SW UNIT
RUNTK0571CEZZ



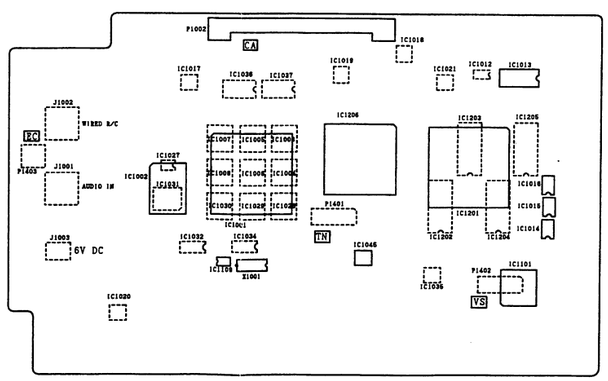
VIDEO BOARD UNIT
RUNTK0588CEZZ
(ONLY FOR AUSTRALIA/NEWZEALAND)



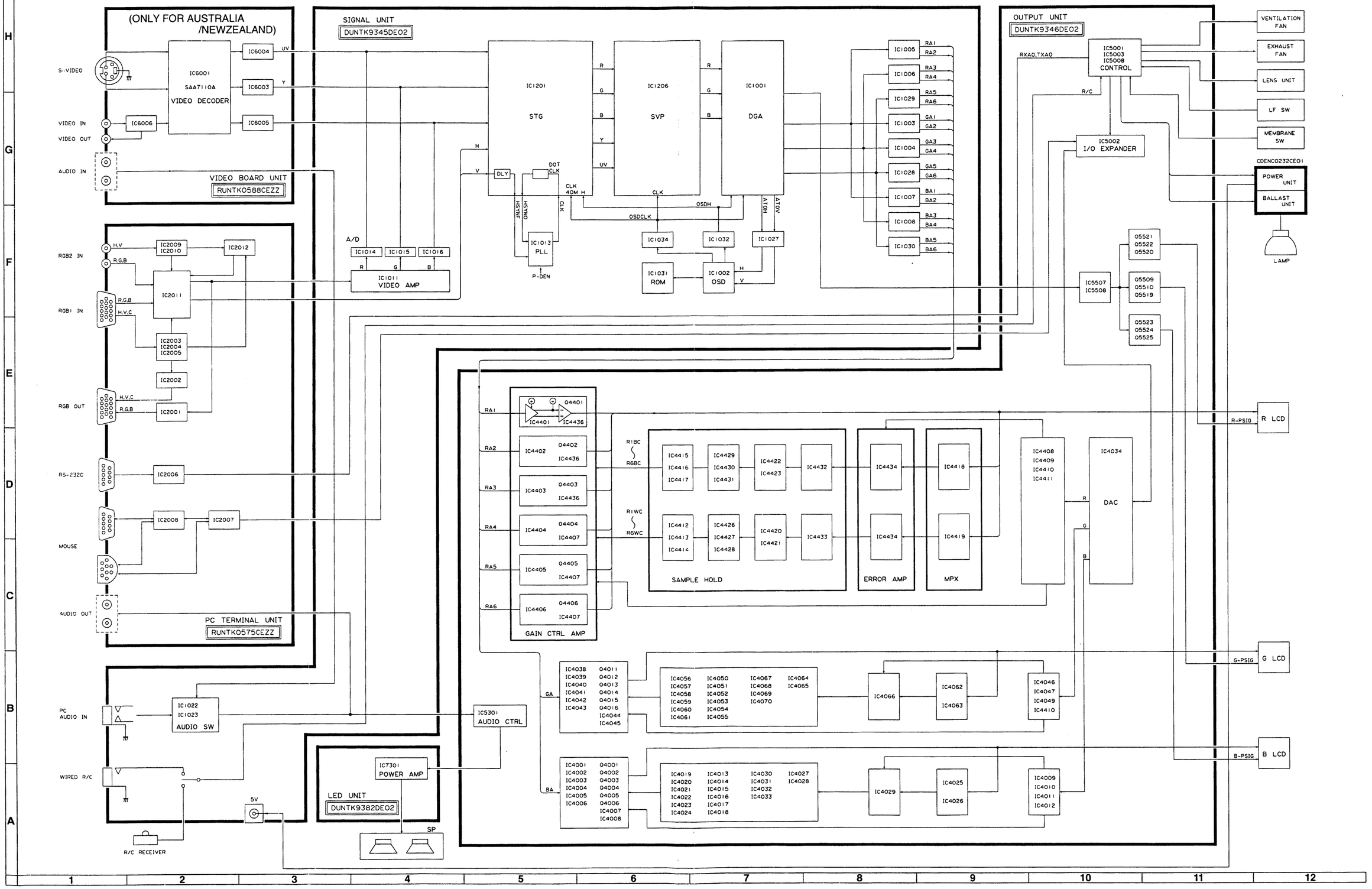
PC TERMINAL UNIT
RUNTK0575CEZZ



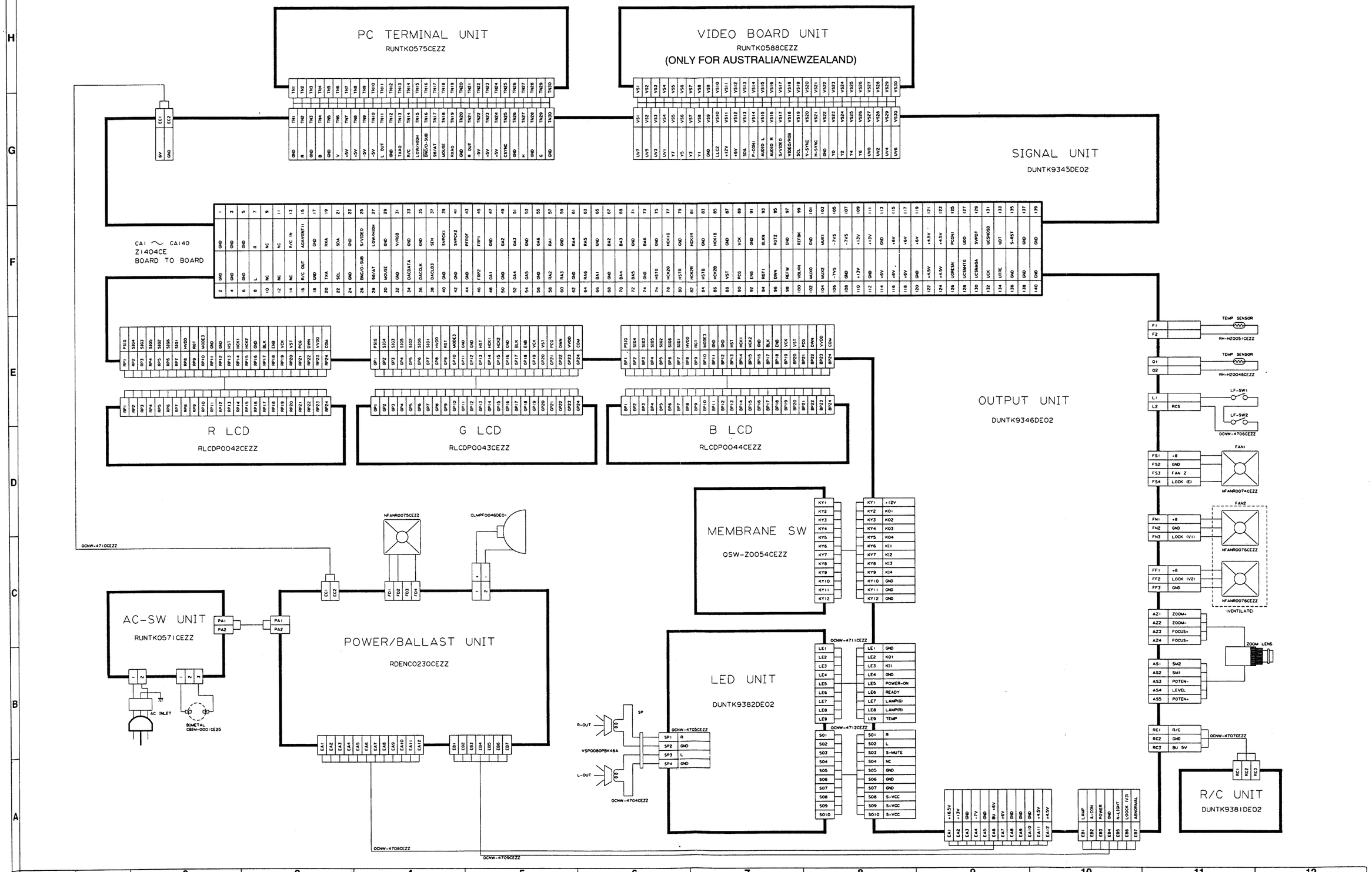
SIGNAL UNIT
DUNTK9345DE02



BLOCK DIAGRAM / BLOCKSCHALTBILD 电路方框图



OVERALL WIRING DIAGRAM / GESAMTSCHALTPLAN 整体印刷电路图



DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20-kohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/10W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.

Ⓒ : Solid Ⓦ : Cement
Ⓢ : Oxide Film Ⓣ : Special
Ⓝ : Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.

(ML): Mylar (TA): Tantalum
(PF): Polypro Film (ST): Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. ***DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.***
2. ***SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.***

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" (▒▒▒) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 220V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 220V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/10W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.

Ⓒ : Fest Ⓦ : Zement
Ⓢ : Oxidfilm Ⓣ : Spezial
Ⓝ : Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben. (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.

(ML): Mylar (TA): Tantal
(PF): Polyprofilm (ST): Styrol

ACHTUNG:
bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.

SICHERHEITSANMERKUNGEN:

1. ***VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.***
2. ***DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.***

WICHTIGE SICHERHEITSANMERKUNGEN:

MIT "⚠" (▒▒▒) BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

电 路 原 理 图 的 说 明

电压测定条件：

1.各测试点上的电压值是用AC220V电源电压来测定的。各种信号由维修专用的彩条信号发生器产生的，各种有关电压值是用20千欧姆/伏测试仪测定的。

波形测定条件：

1.各测试点上的波形是用AC220V电源电压观察到的。各种信号由维修专用的彩条信号发生器产生的。

电阻与电容器的表示：

电阻

1.电阻欧姆"Ω"单位予以略记。
（K＝kΩ＝1000Ω，M＝兆Ω）。
2.除特别说明者外，所有的电阻为±5%。
（J＝±5%，F＝±1%，D＝±0.5%）。
3.除特别说明者外，所有的电阻功率为1/10W。
4.除特别说明者外，所有的电阻为碳质。

Ⓒ：固体电阻 Ⓦ：陶瓷电阻
Ⓢ：氧化膜电阻 Ⓣ：特殊电阻
Ⓝ：金属涂层电阻

电容器

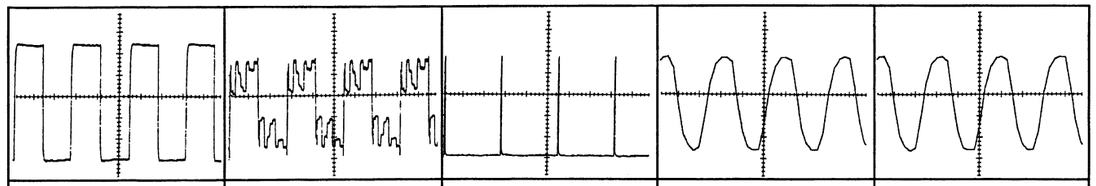
1.除特别说明者外，所有的电容器单位为微法（μF）。
（P＝微微法＝μμF）。
2.除特别说明者外，所有的电容器为50伏。
3.除特别说明者外，所有的电容器为陶瓷质。
（ML）：聚酯薄膜电容器 （TA）：钽质电容器
（PF）：聚乙烯薄膜电容器 （ST）：聚苯乙烯电容器

注意：
这里的电路原理图均为最初设计原理图，与您的机器的电路原理图可能有不同之处。

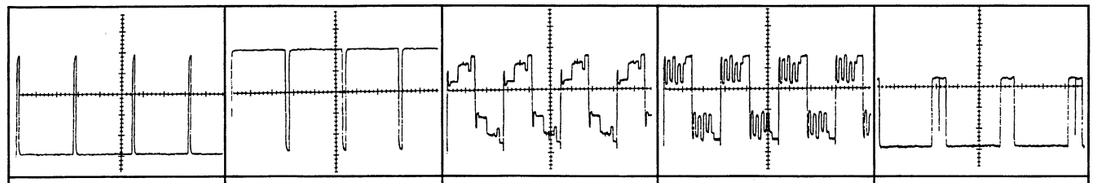
安全使用注意事项：
1.在进行部件更换之前，务请拔出电源插头。
2.本装置工作时，机芯底盘的半导体散热片有触电之虑，务请注意。

安全使用注意要点：
标有"⚠"（ ▒▒▒ ）的部件对于投影机安全的维护有至关重要的意义。为了维护本机的安全和使本机能正常工作，必须使用指定品来更换这些部件。

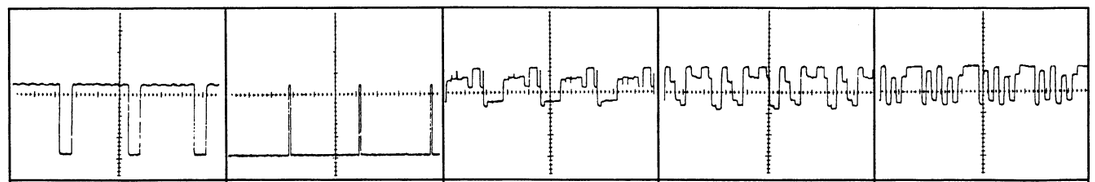
WAVEFORMS
WELLENFORMEN
波形图



① SC4001 (RP1)	② SC4001 (RP2)	③ SC4001 (RP13)	④ SC4001 (RP14)	⑤ SC4001 (RP15)
H: 20μsec/div V: 2V/div	H: 20μsec/div V: 2V/div	H: 10μsec/div V: 1V/div	H: 0.1μsec/div V: 1V/div	H: 0.1μsec/div V: 1V/div

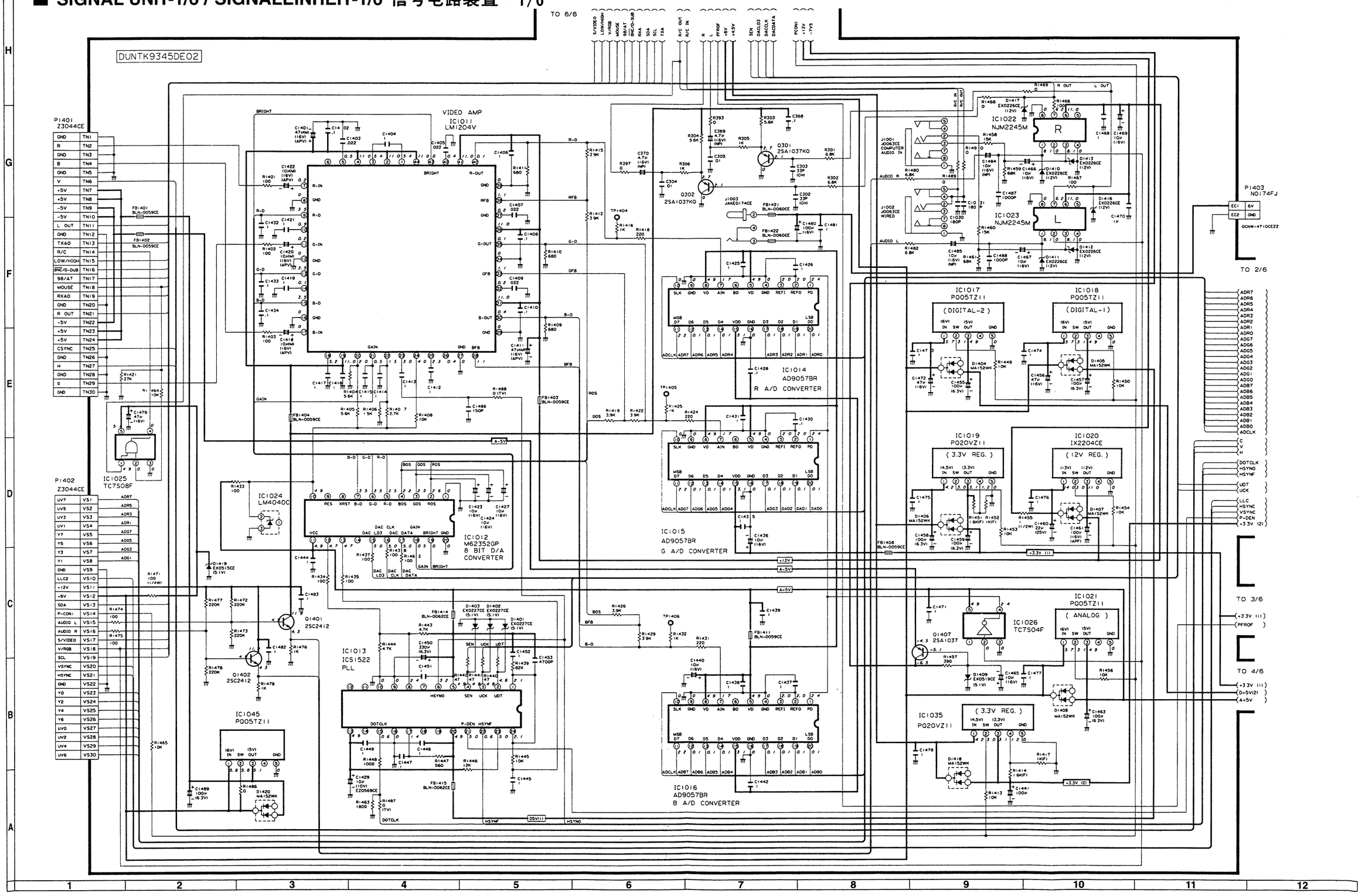


⑥ SC4001 (RP21)	⑦ SC4001 (RP18)	⑧ SC4002 (GP2)	⑨ SC4003 (BP2)	⑩ P1402 (VS5, Y7)
H: 10μsec/div V: 1V/div	H: 10μsec/div V: 1V/div	H: 20μsec/div V: 2V/div	H: 20μsec/div V: 2V/div	H: 20μsec/div V: 1V/div

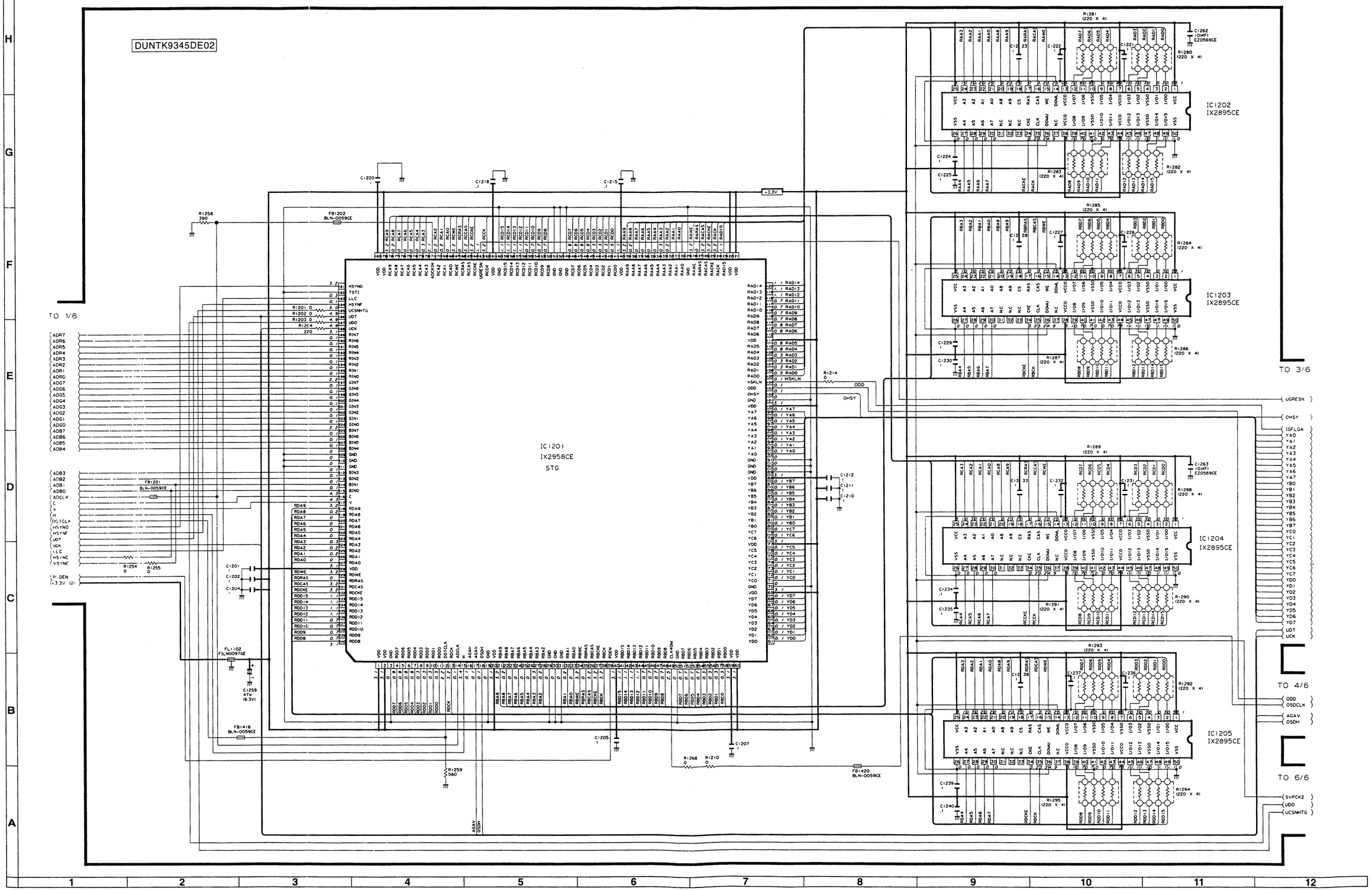


⑪ P1402 (VS21, H-sync)	⑫ P1402 (VS20, V-sync)	⑬ IC1003 (TP1101, 27-pin)	⑭ IC1005 (TP1105, 27-pin)	⑮ IC1007 (TP1109, 27-pin)
H: 20μsec/div V: 1V/div	H: 5msec/div V: 1V/div	H: 10μsec/div V: 500mV/div	H: 10μsec/div V: 500mV/div	H: 10μsec/div V: 500mV/div

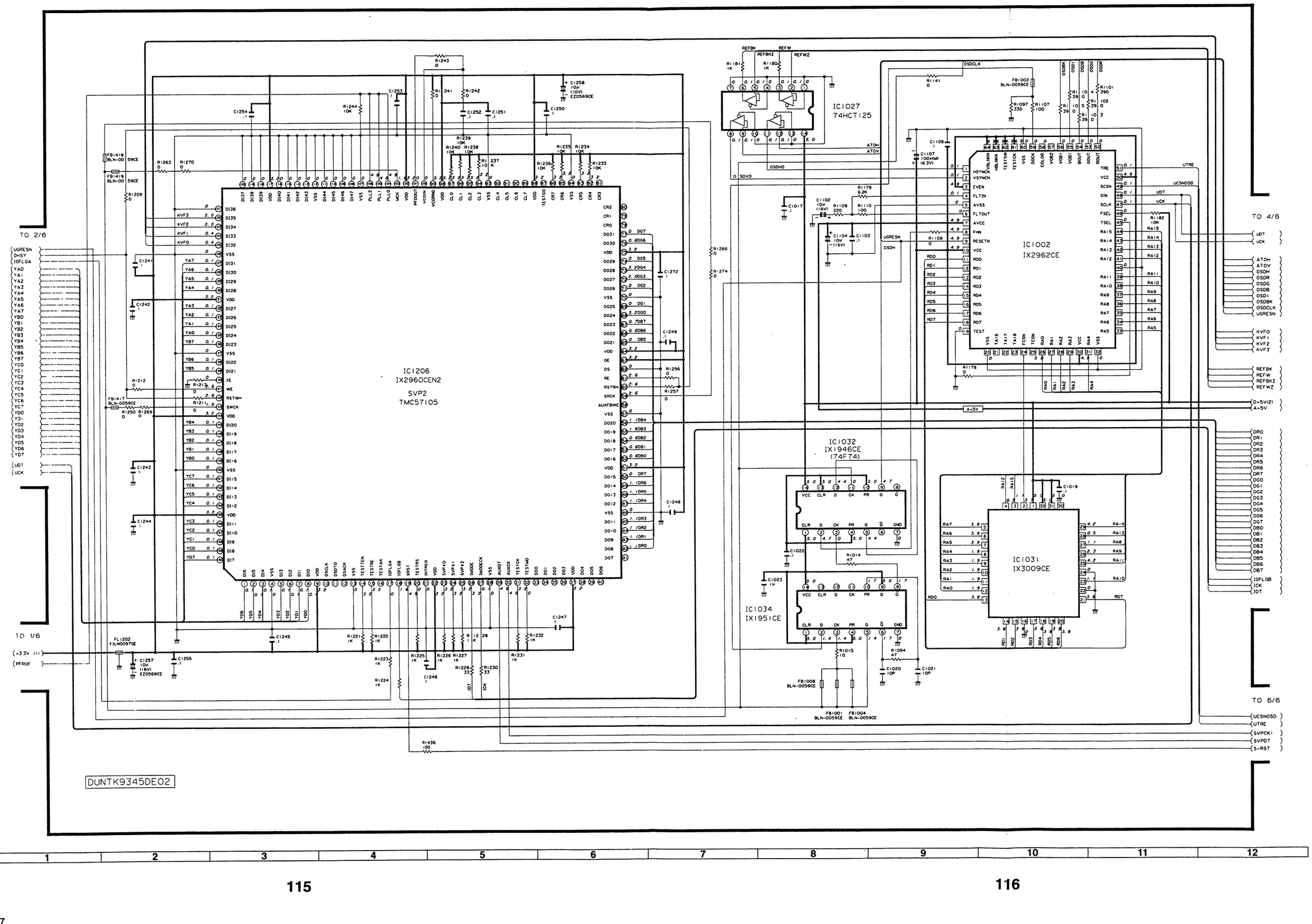
■ SIGNAL UNIT-1/6 / SIGNALEINHEIT-1/6 信号电路装置－1/6



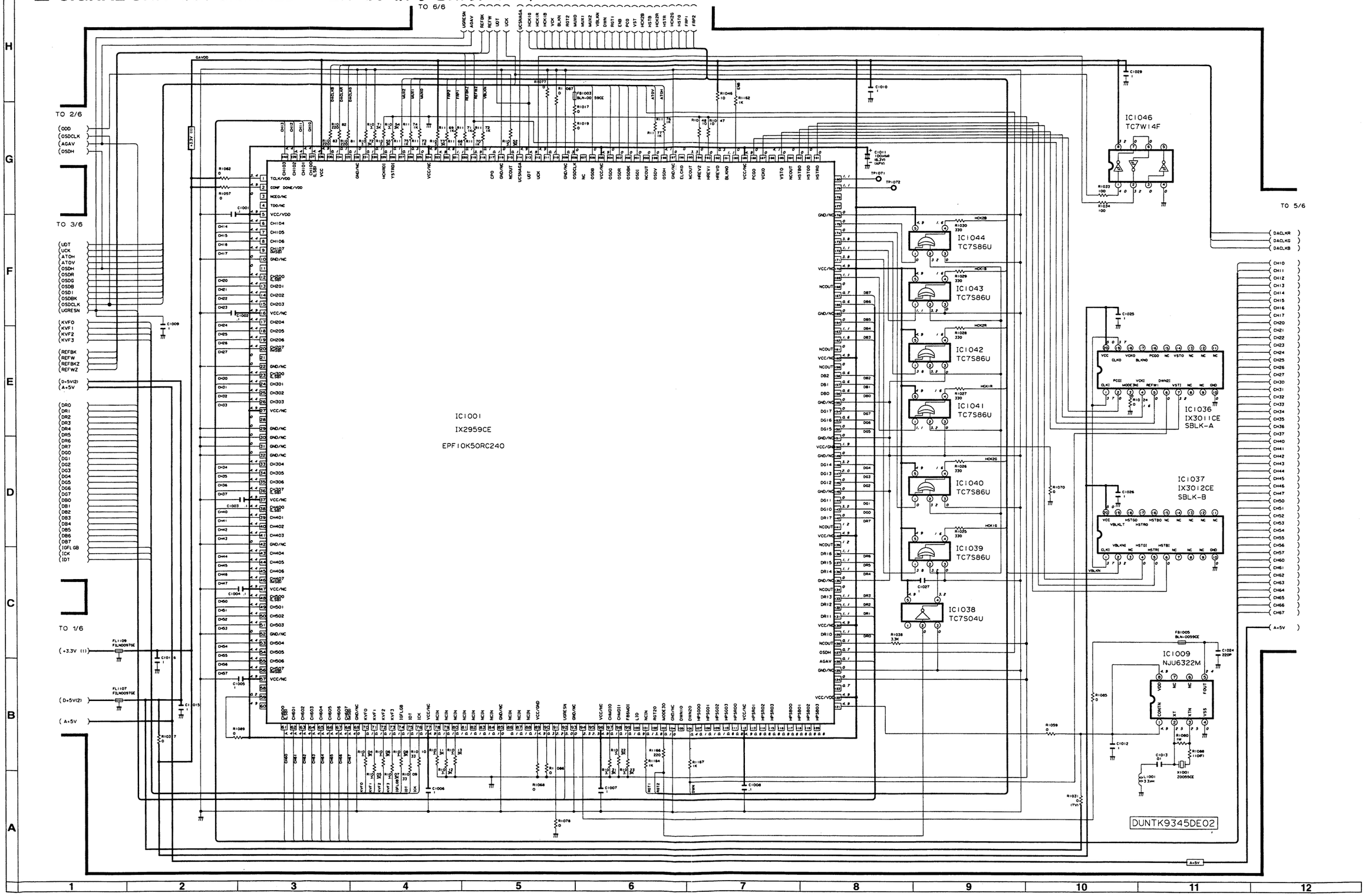
■ SIGNAL UNIT-2/6 / SIGNALEINHEIT-2/6 信号电路装置－2/6



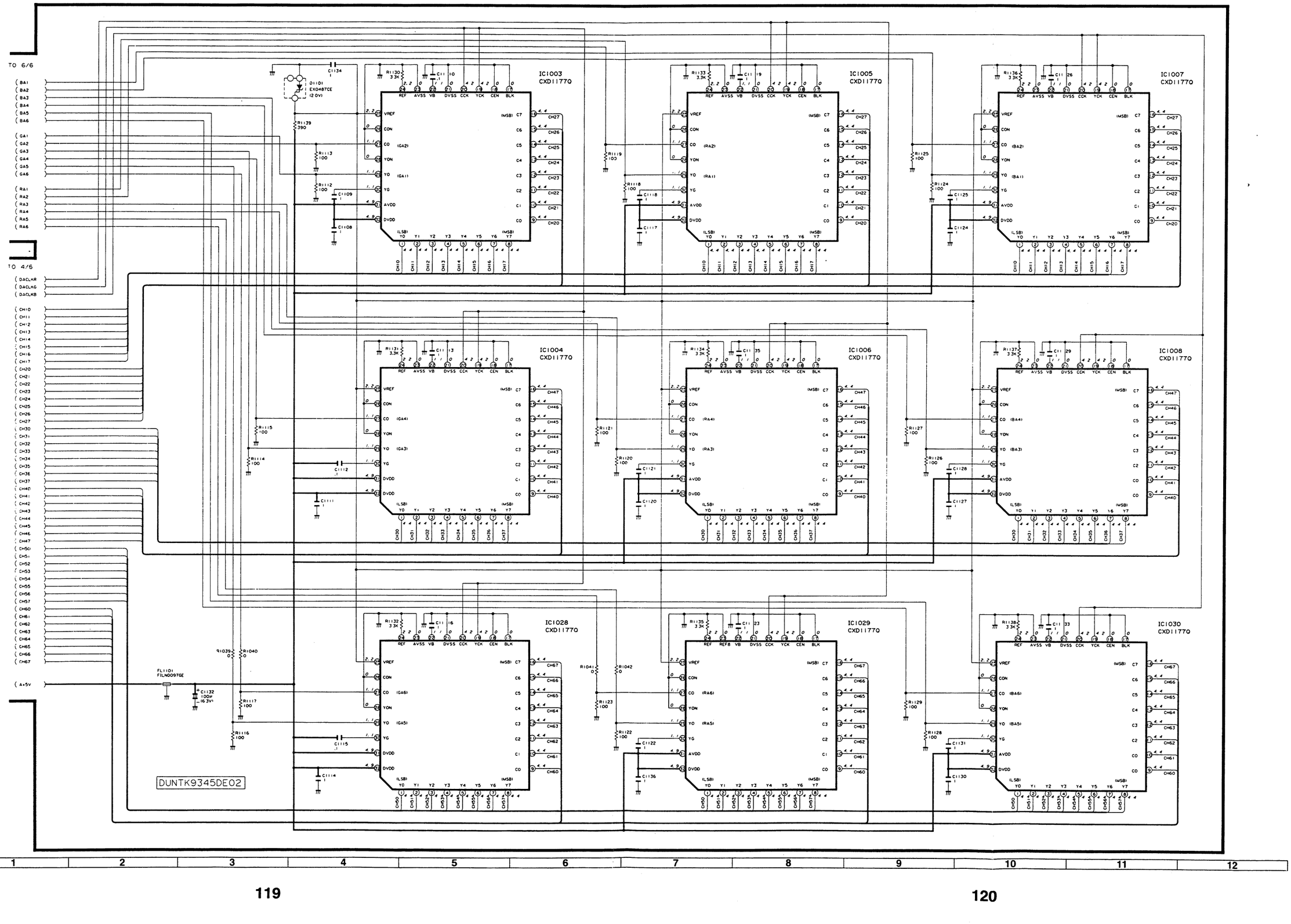
■ SIGNAL UNIT-3/6 / SIGNALEINHEIT-3/6 信号电路装置－3/6



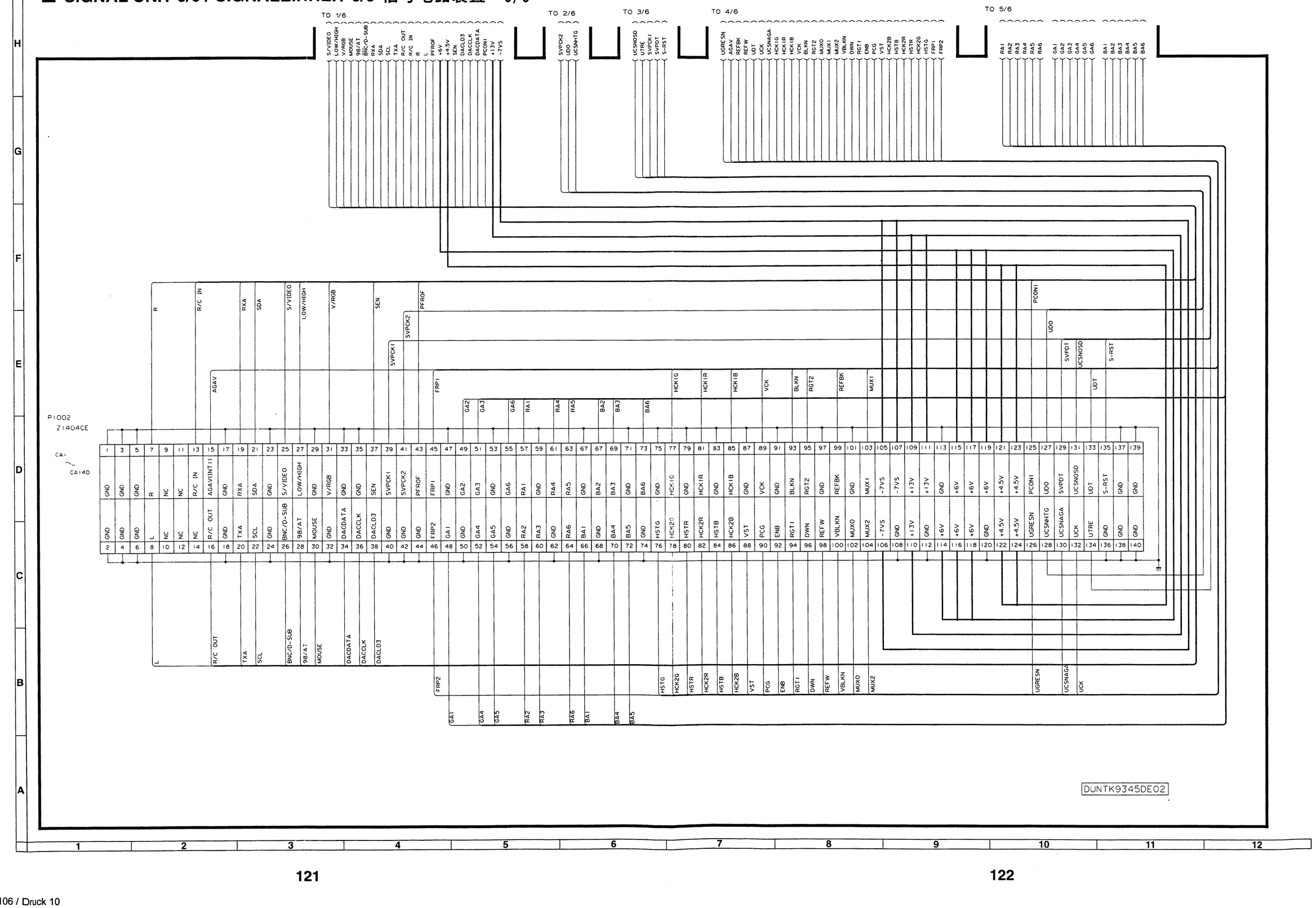
■ SIGNAL UNIT-4/6 / SIGNALEINHEIT-4/6 信号电路装置－4/6



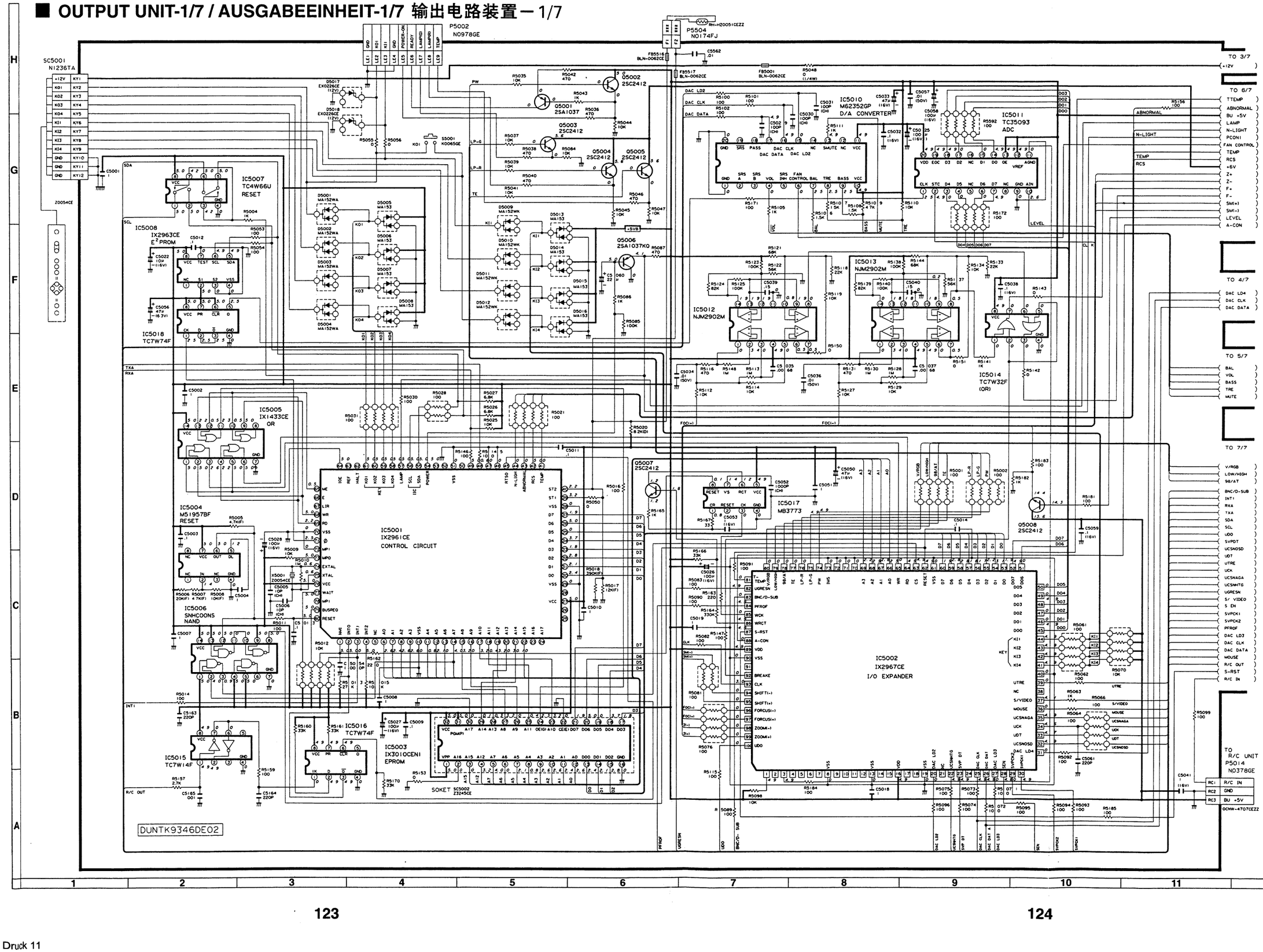
■ SIGNAL UNIT-5/6 / SIGNALEINHEIT-5/6 信号电路装置－5/6



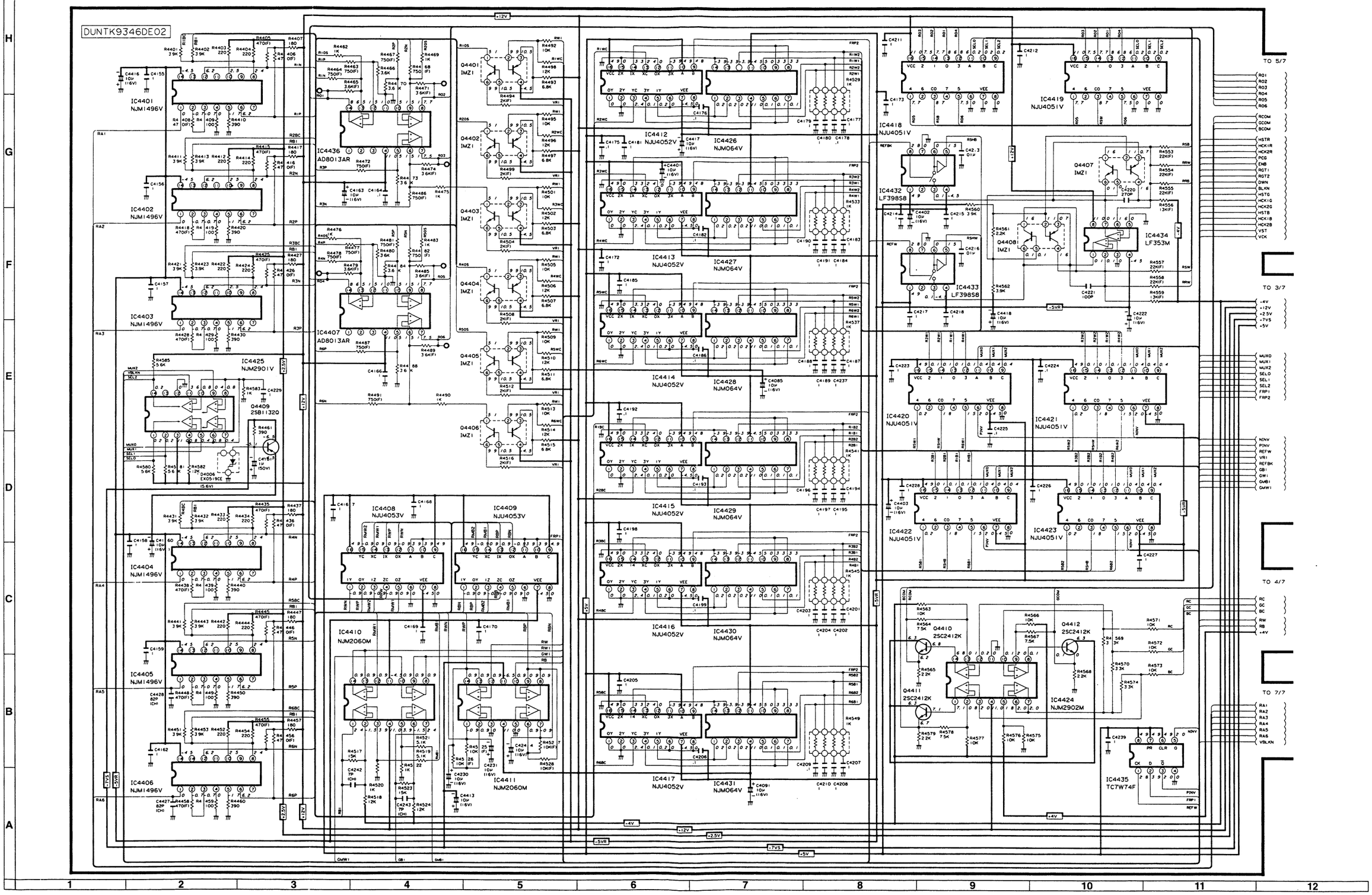
■ SIGNAL UNIT-6/6 / SIGNALEINHEIT-6/6 信号电路装置－6/6



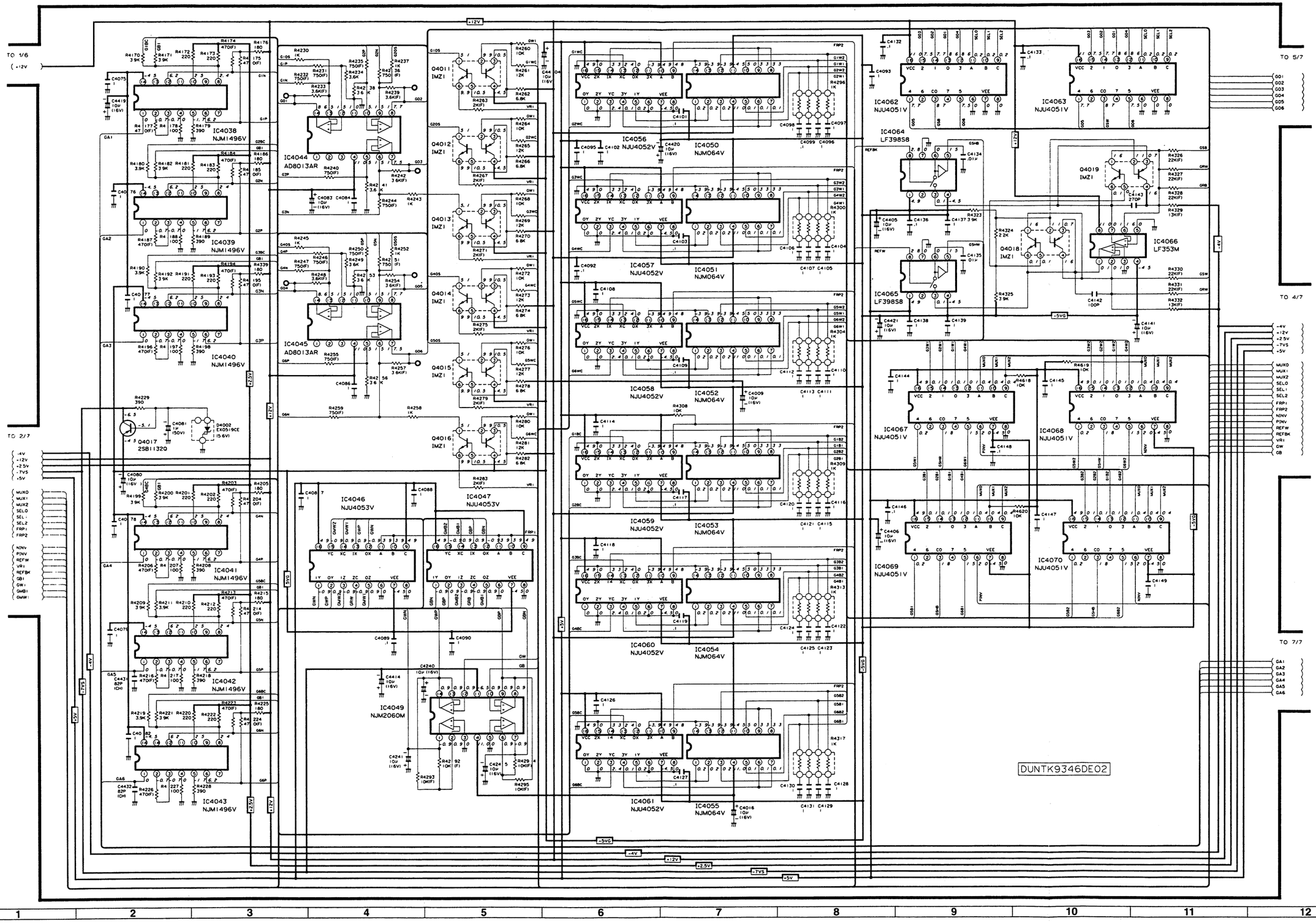
■ OUTPUT UNIT-1/7 / AUSGABEEINHEIT-1/7 输出电路装置－1/7



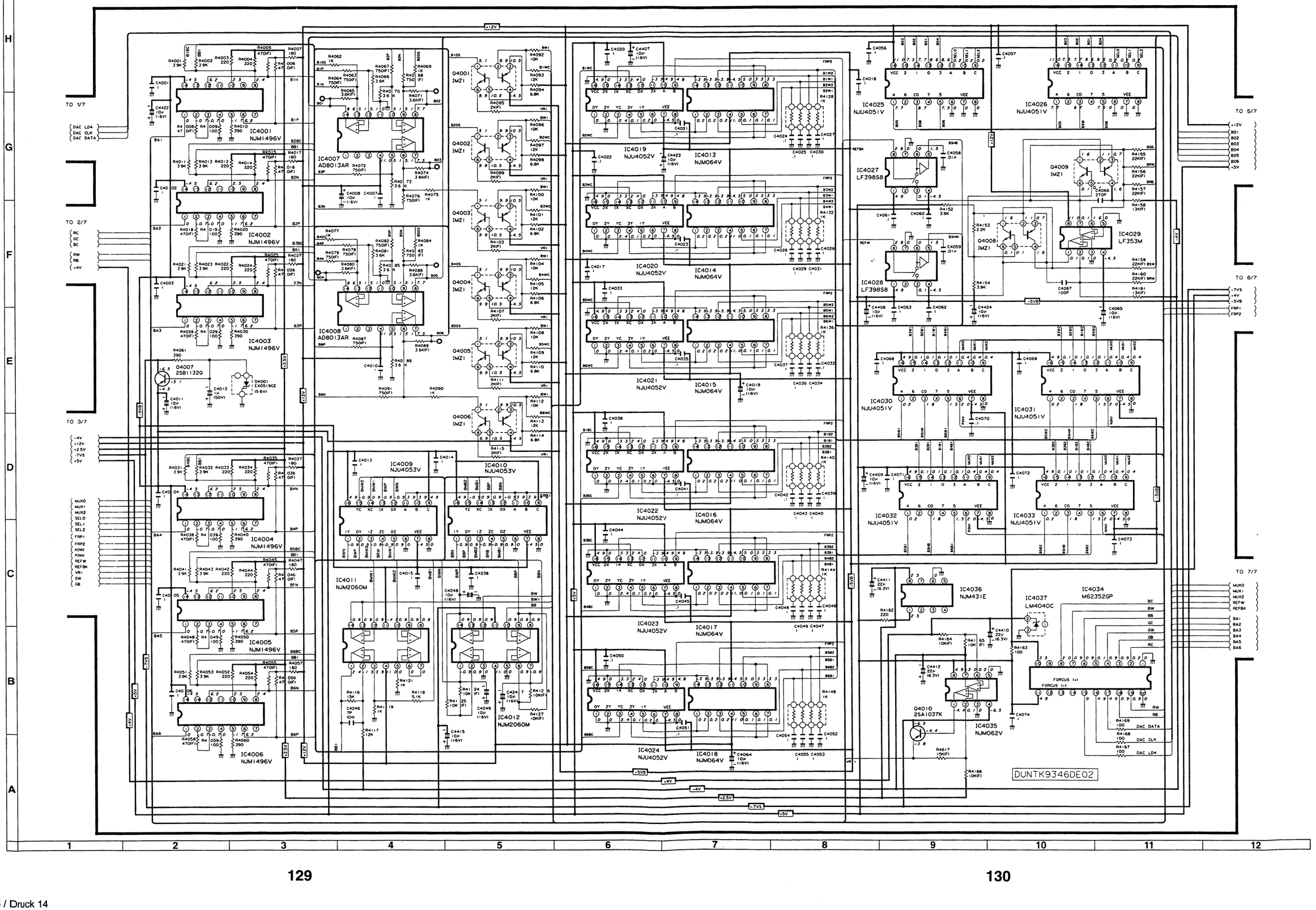
■ OUTPUT UNIT-2/7 / AUSGABEEINHEIT-2/7 输出电路装置－2/7



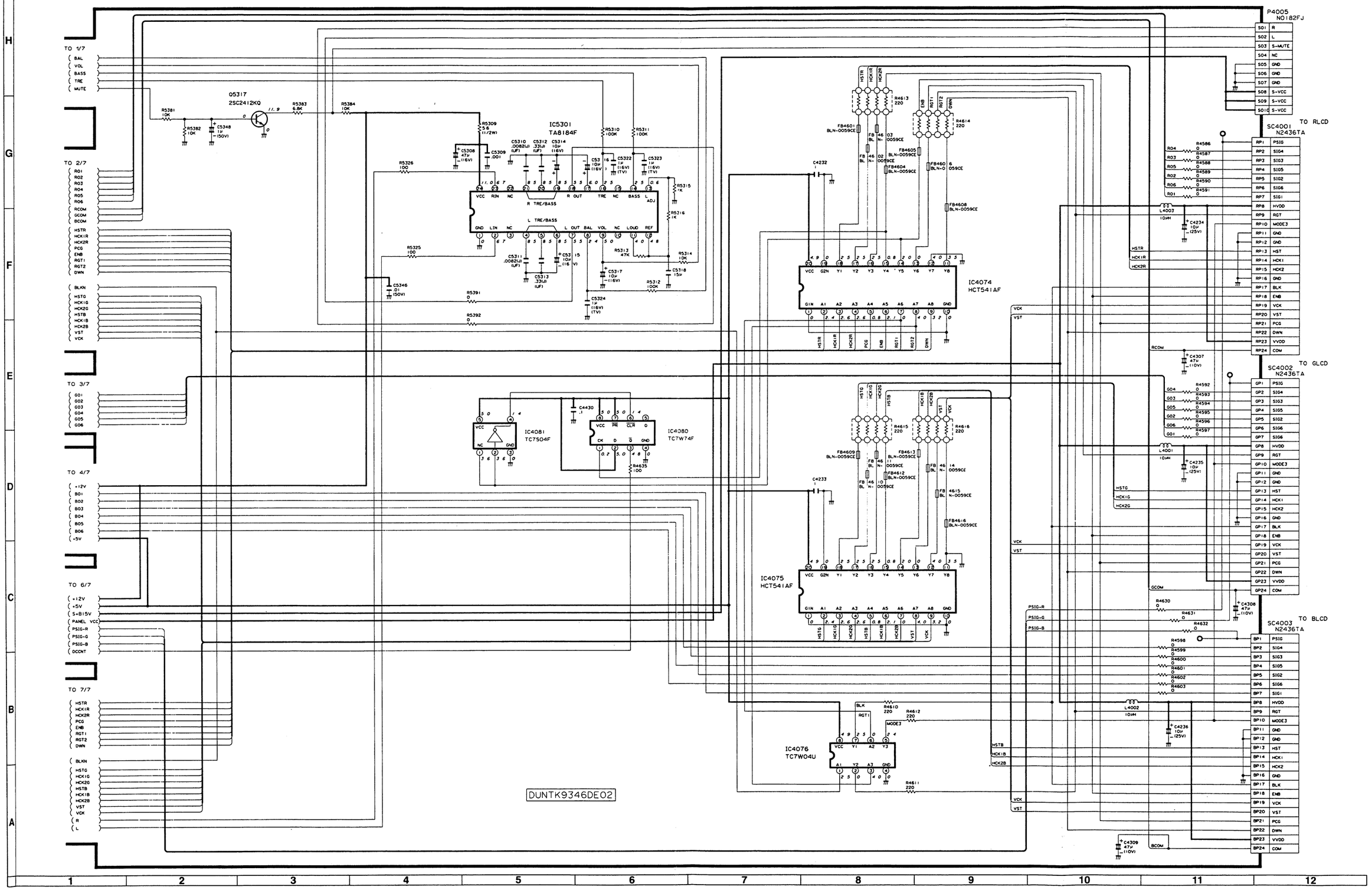
■ OUTPUT UNIT-3/7 / AUSGABEEINHEIT-3/7 输出电路装置－3/7



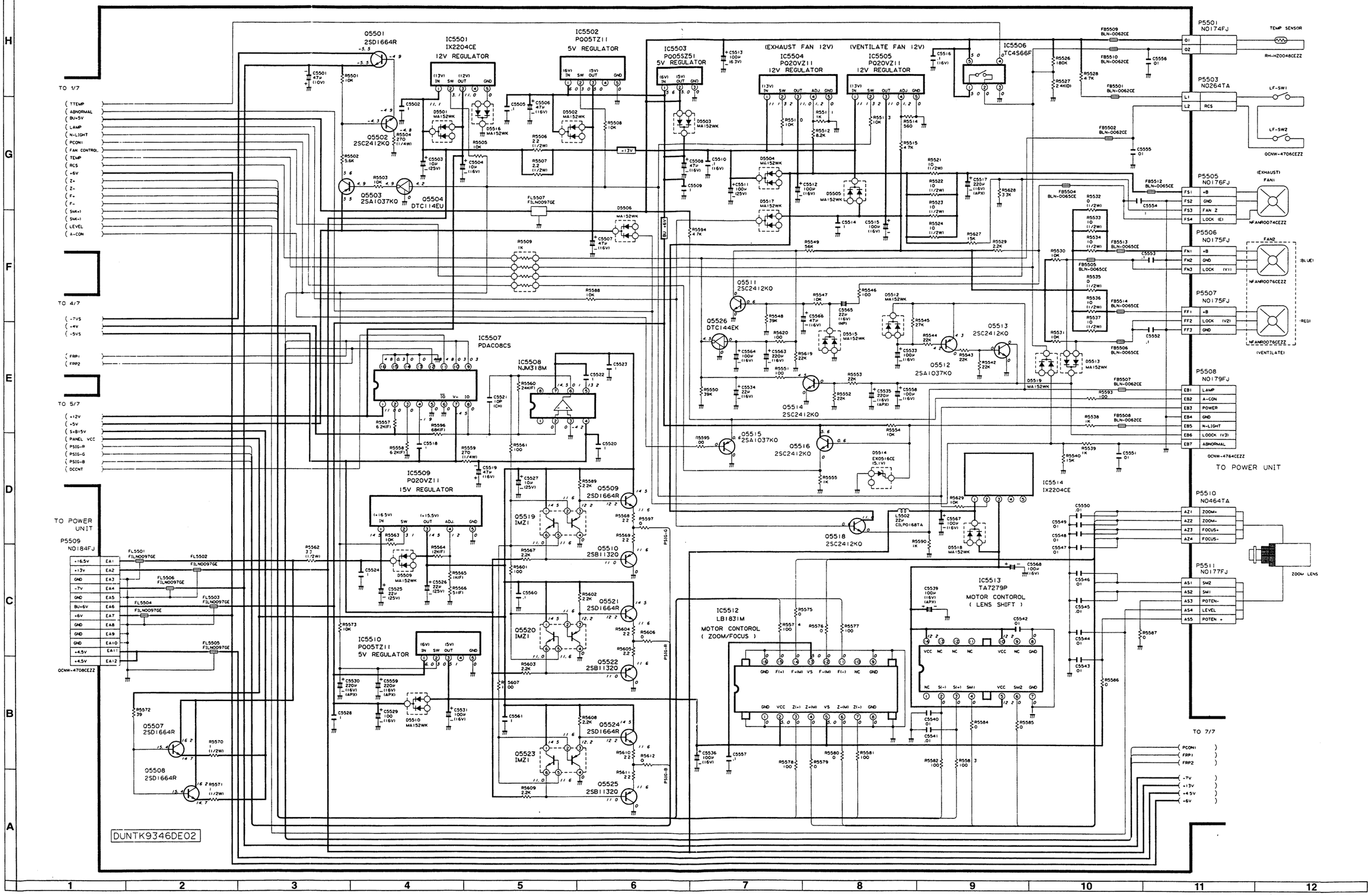
■ OUTPUT UNIT-4/7 / AUSGABEEINHEIT-4/7 输出电路装置－4/7



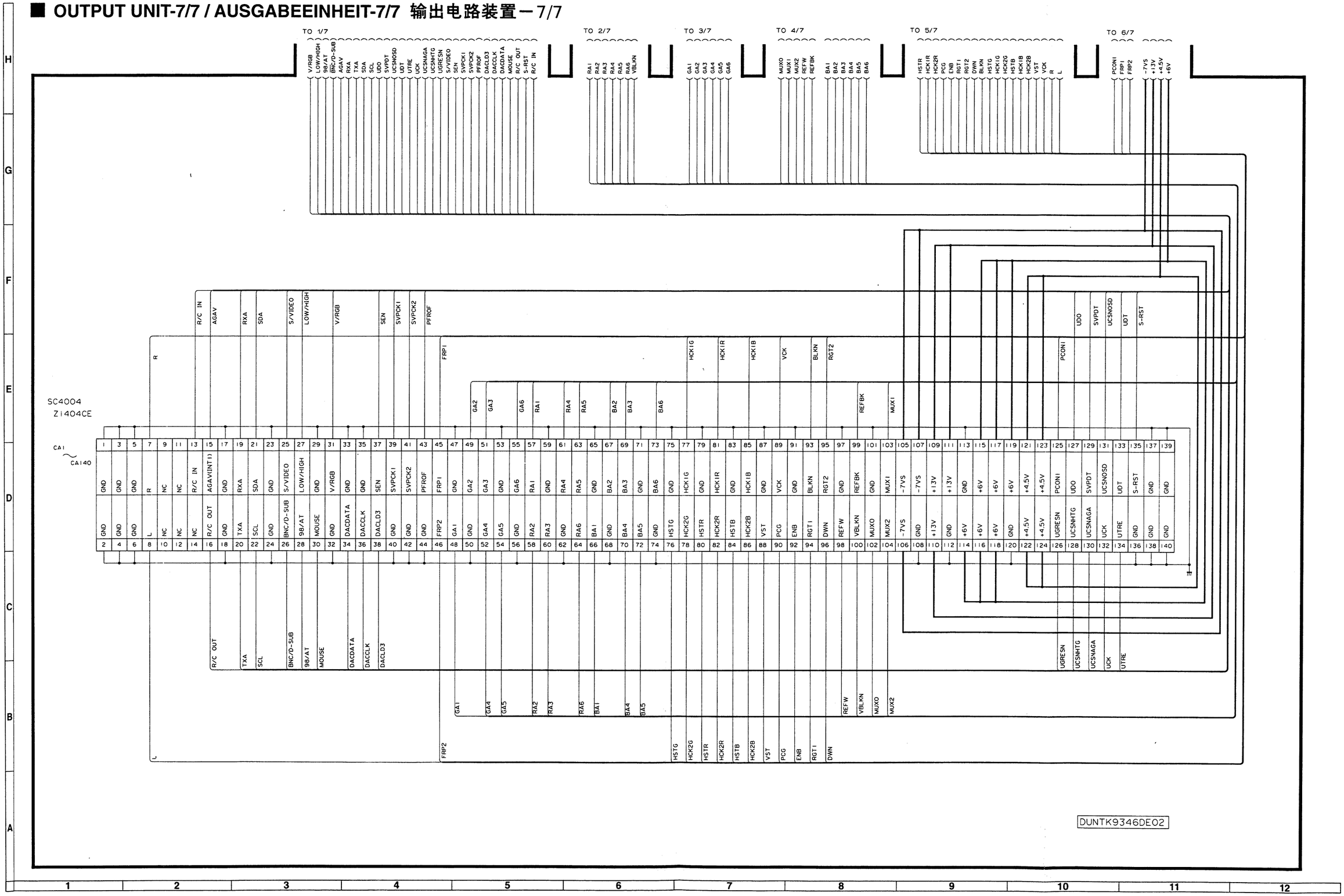
■ OUTPUT UNIT-5/7 / AUSGABEEINHEIT-5/7 输出电路装置－5/7



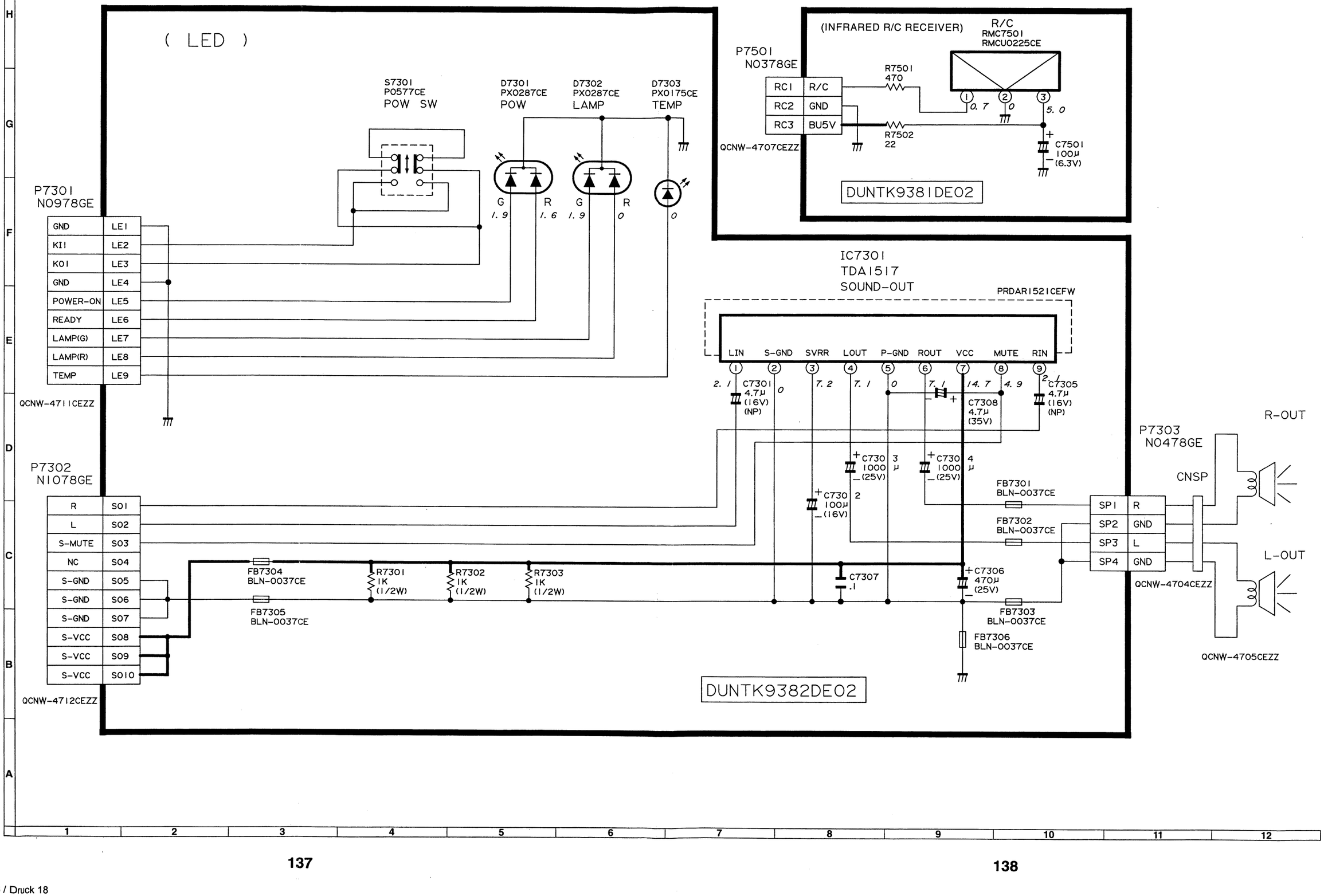
■ OUTPUT UNIT-6/7 / AUSGABEEINHEIT-6/7 输出电路装置－6/7



■ OUTPUT UNIT-7/7 / AUSGABEEINHEIT-7/7 输出电路装置－7/7



■ LED and INFRARED R/C RECEIVER UNIT / LED-EINHEIT sowie INFRAROTEMPFÄNGEREINHEIT LED装置与红外线遥控信号接收器



V19106 / Druck 18

■ VIDEO BOARD UNIT / VIDEOKARTENEINHEIT 视频电路装置

RUNTK0588CEZZ
(ONLY FOR AUSTRALIA/NEWZEALAND)

CONECTOR ASS'Y
JALCO
YKC21-5645
CON6003 QTANJ0246CEZZ

AUDIO R CH IN
CON6003
RED

AUDIO L CH IN
CON6002
WHITE

VIDEO-IN
BNC

VIDEO-OUT
BNC

CON6006 QTANZ0212CEZZ

S-VIDEO IN
JALCO
YKF51-5533
05OCD0439CEZZ

CON6004

(VIDEO , Y/C-OUT)

IC6006
MM1188XS

IC6001
SAA7110A
(PAL/SECAM/NTSC)
DIGITAL SIGNAL
PROCESSOR

(5V-REG)
IC6008
PQ05TZ51

(3.3V-REG)
IC6009
MM1180

IC6004
74LVT244A
OCTAL-BUFFERS (5.0V → 3.3V)

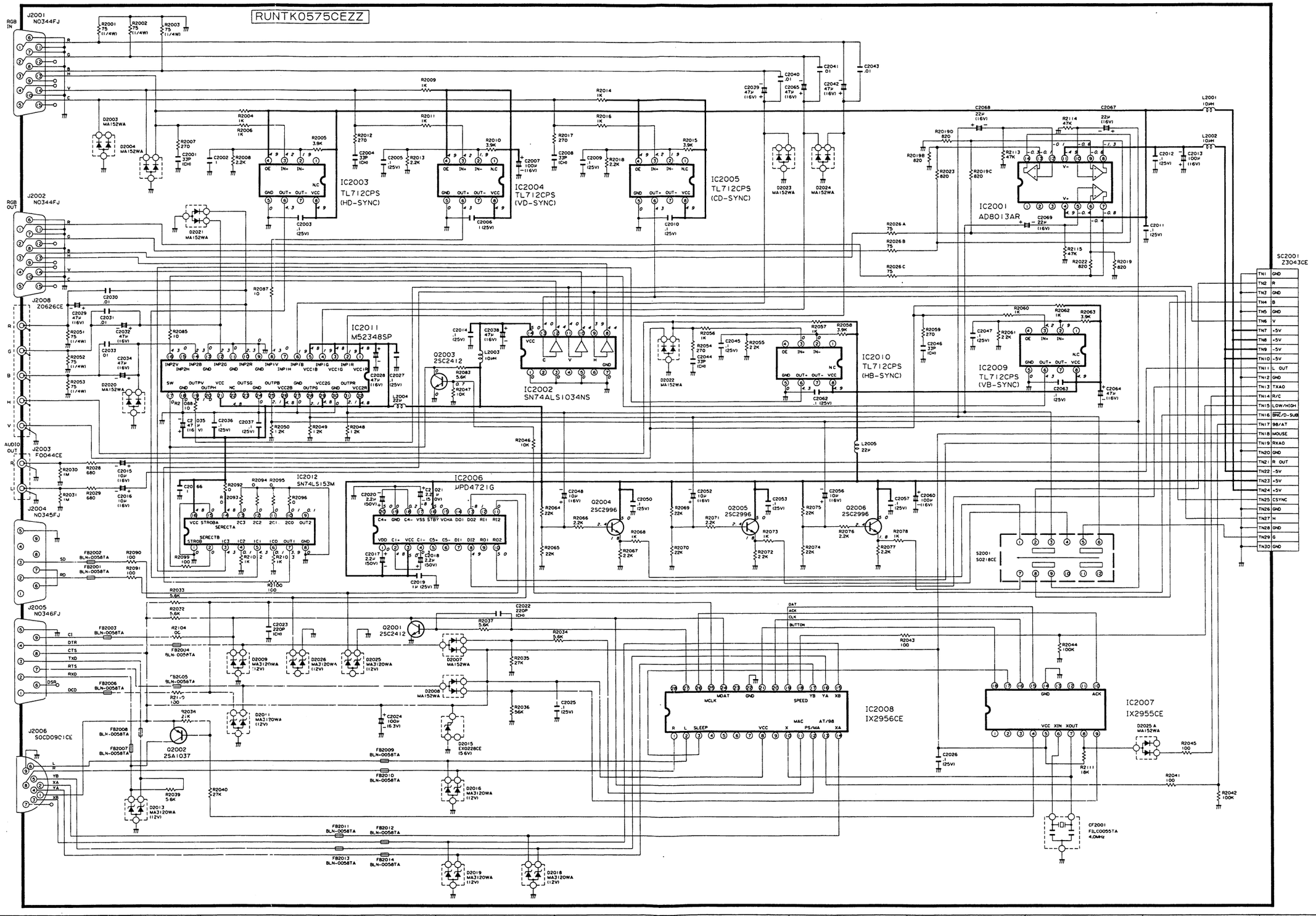
IC6003
74LVT244A
OCTAL-BUFFERS (5.0V → 3.3V)

IC6005
74VT244A
3-STATE OUTPUTS

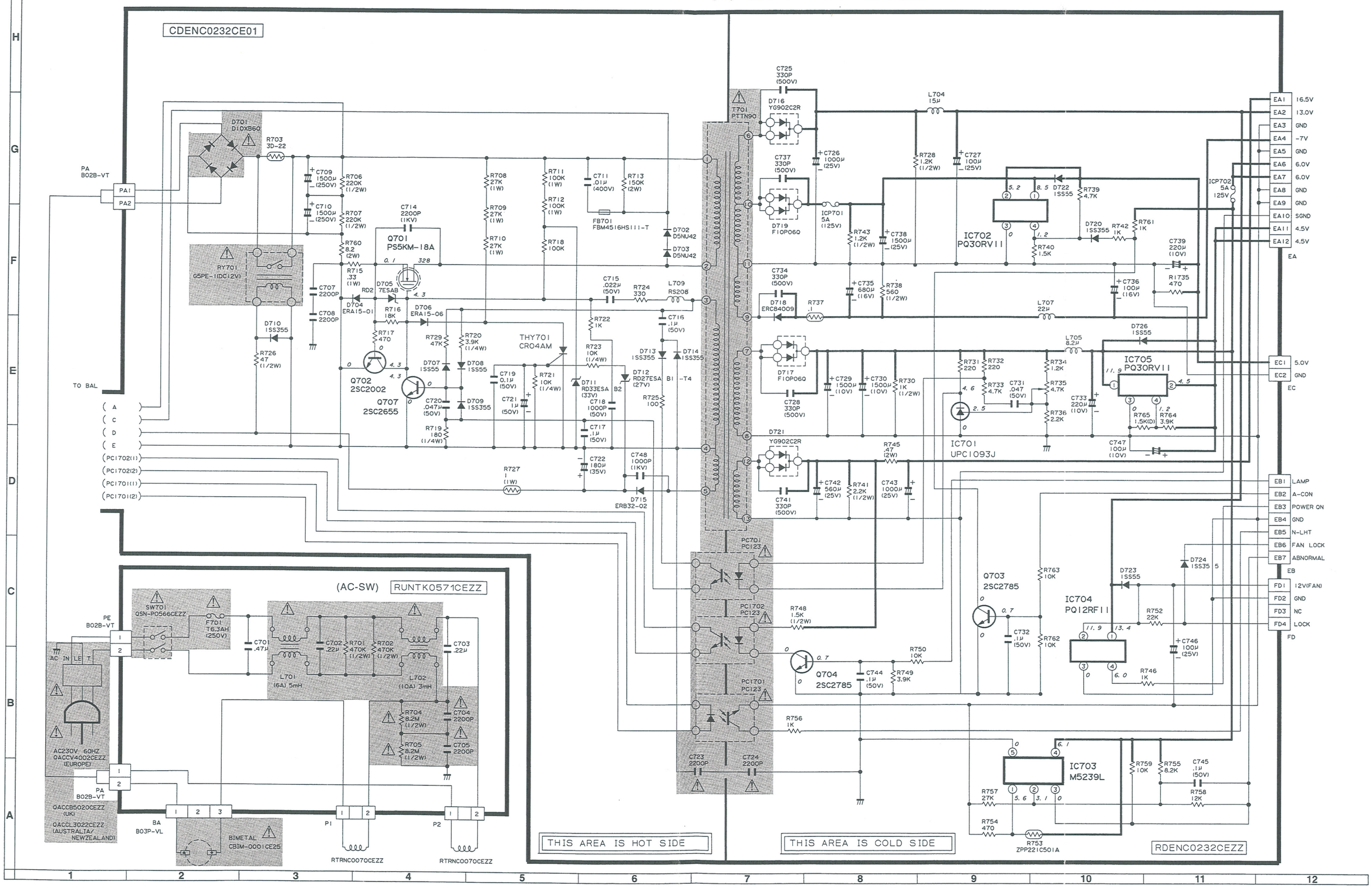
CON6005
Z3043CE
MOLEX

VS1	UV7
VS2	UV5
VS3	UV3
VS4	UV1
VS5	Y7
VS6	Y5
VS7	Y3
VS8	Y1
VS9	GND
VS10	LLC2
VS11	+12V
VS12	+6V
VS13	SDA
VS14	P-CON1
VS15	AUDIO L
VS16	AUDIO R
VS17	S/VIDEO
VS18	VIDEO/RGB
VS19	SCL
VS20	V-SYNC
VS21	H-SYNC
VS22	GND
VS23	YO
VS24	Y2
VS25	Y4
VS26	Y6
VS27	UVO
VS28	UV2
VS29	UV4
VS30	UV6

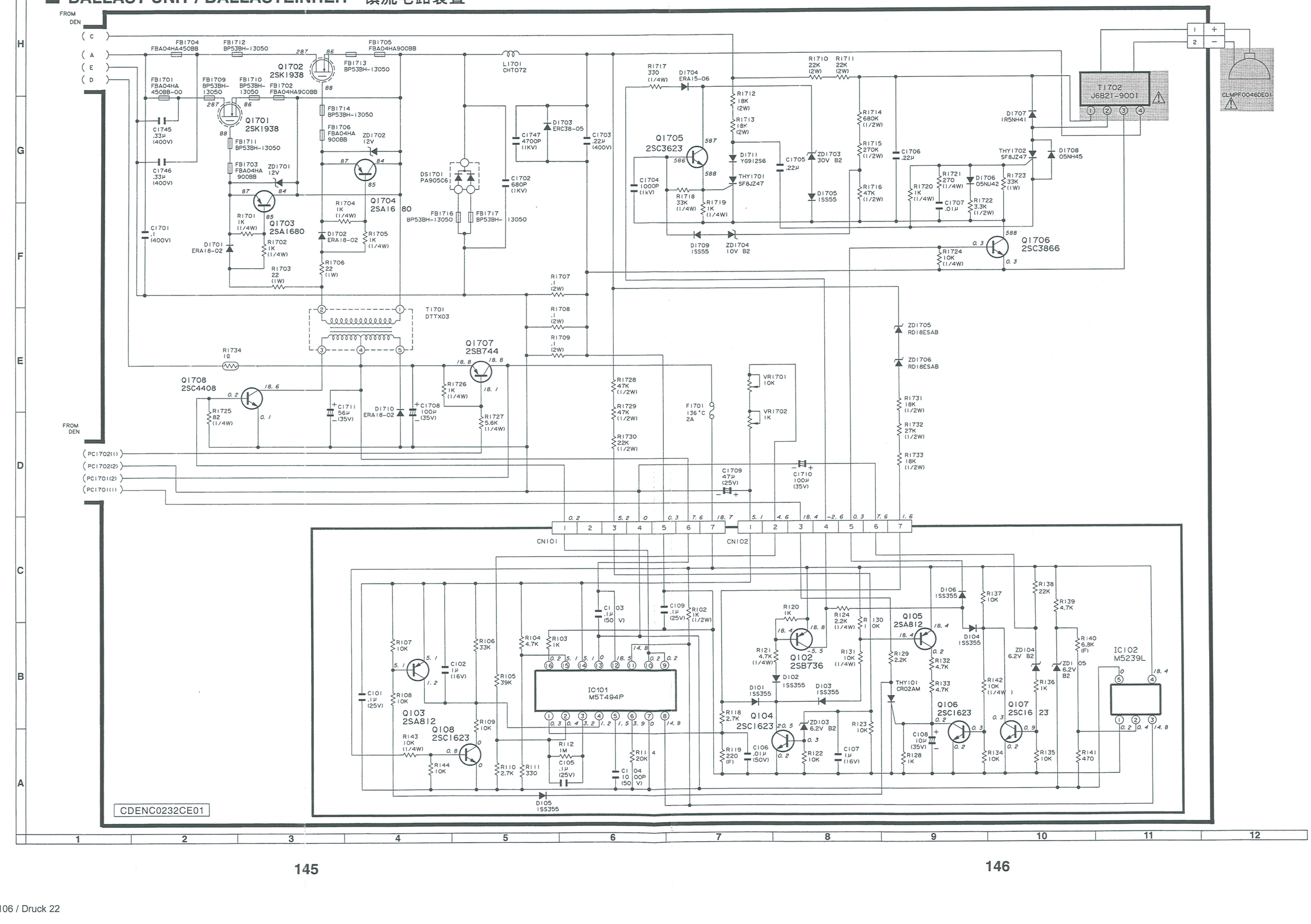
■ PC TERMINAL UNIT/ PC-ANSCHLUßEINHEIT PC插接电路装置



■ POWER and AC-SW UNIT / NETZEINHEIT sowie NETZSCHALTEREINHEIT 电源电路与AC开关电路装置

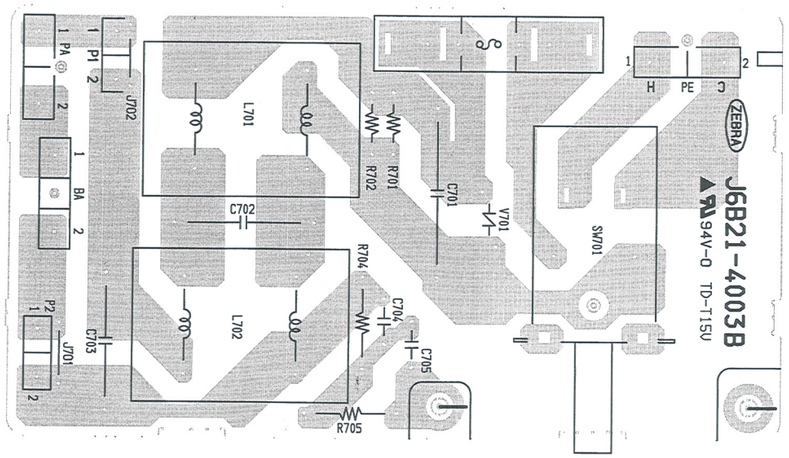


■ BALLAST UNIT / BALLASTEINHEIT 镇流电路装置

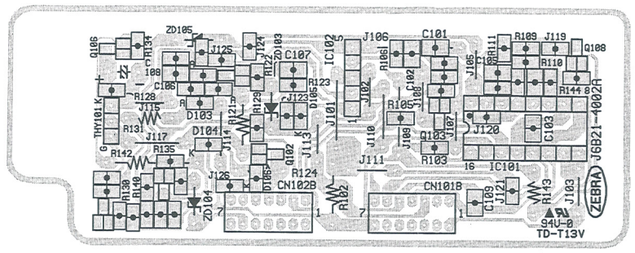


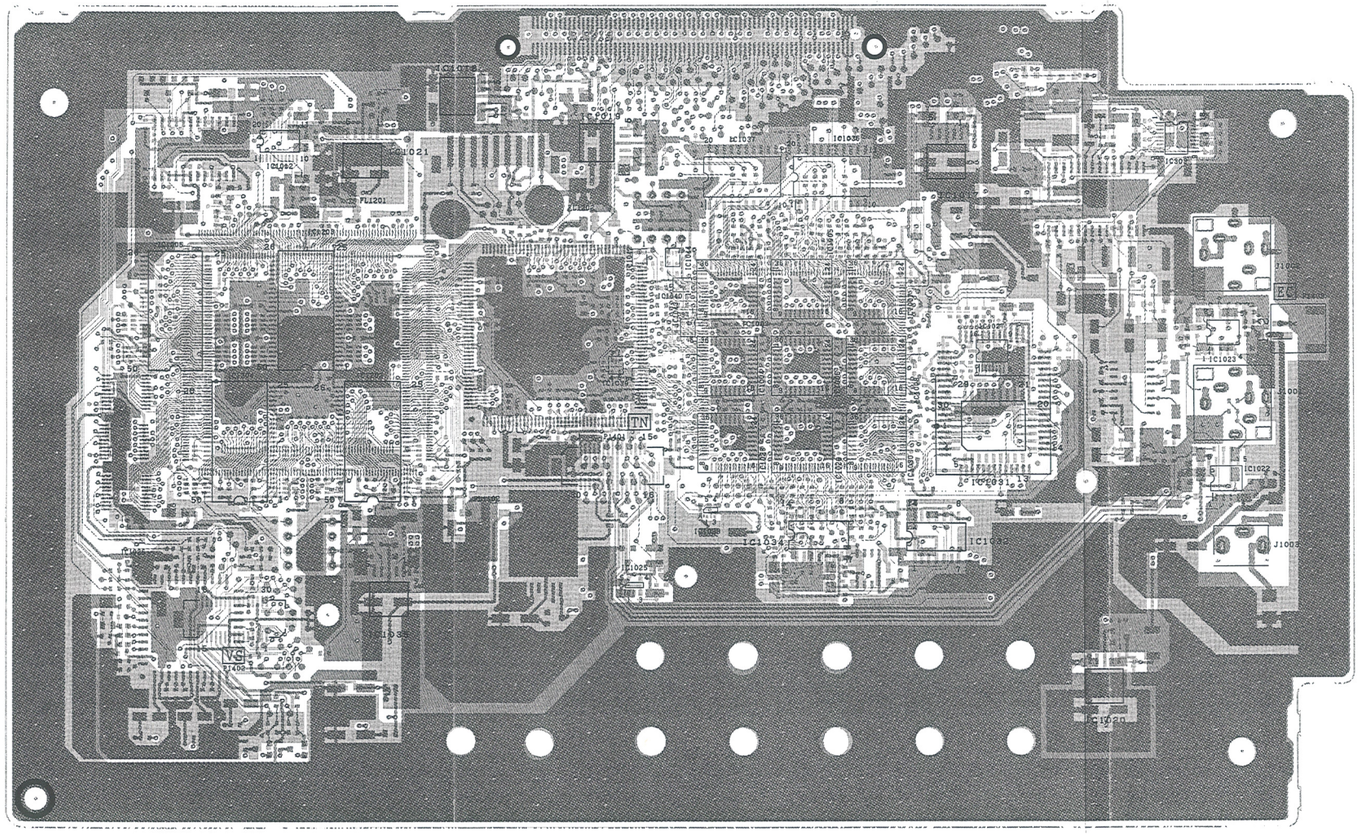
145 146

PRINTED WIRING BOARD ASSEMBLIES / LEITERPLATTENEINHEITIN 印刷电路板组件

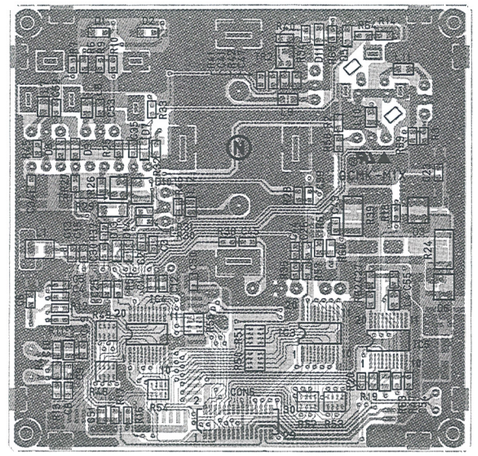


AC-SW Unit (Wiring Side) /
Netzschaltereinheit (Leiterbahnseite)
AC开关装置印刷电路板(线路贴置侧)

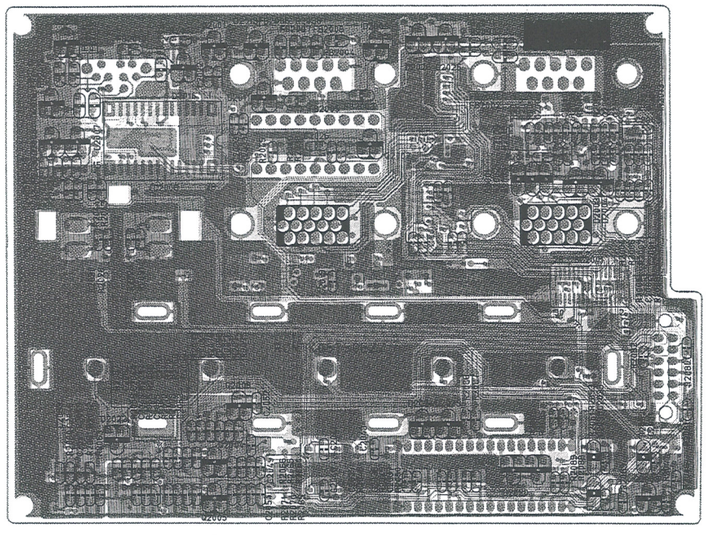




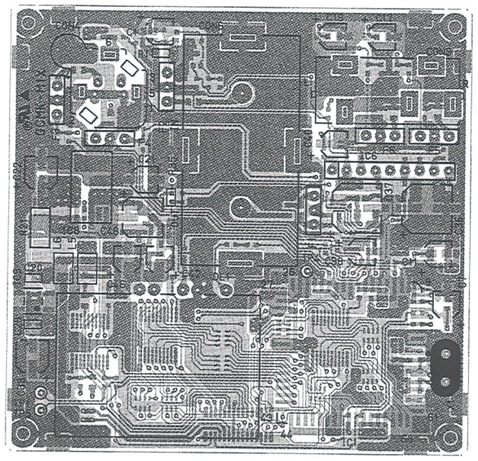
Signal Unit (Wiring Side) /
Signaleinheit (Leiterbahnseite)
信号装置印刷电路板(线路贴置側)



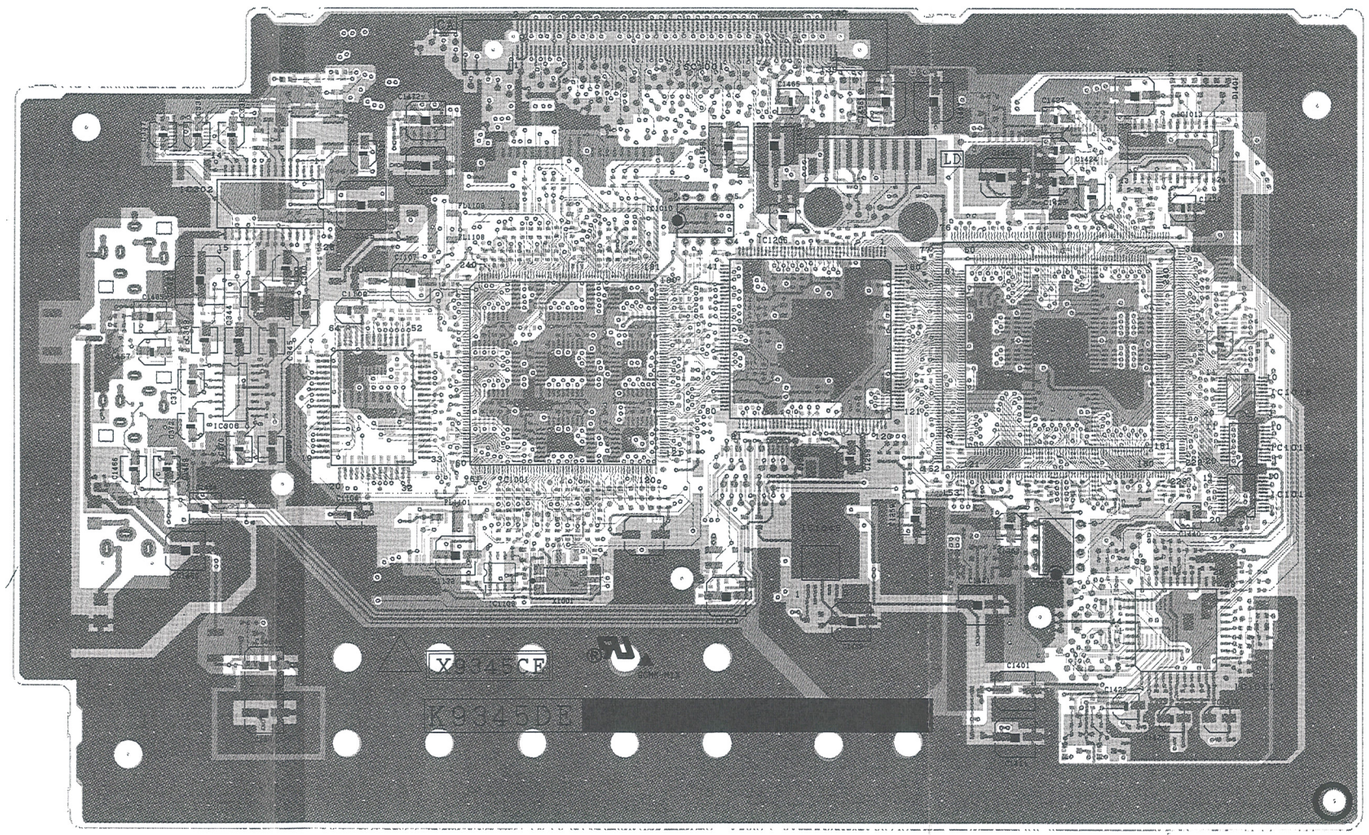
Video Board Unit (Wiring Side) /
Videokarteneinheit (Leiterbahnseite)
视频装置印刷电路板(线路贴置側)
(ONLY FOR AUSTRALIA/NEWZEALAND)



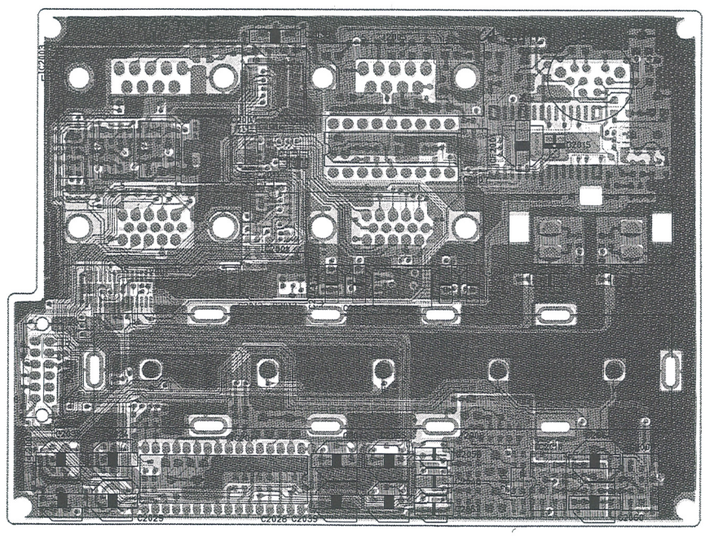
PC Terminal Unit (Wiring Side) /
PC-Anschlußeinheit (Leiterbahnseite)
PC插接装置印刷电路板(线路贴置側)



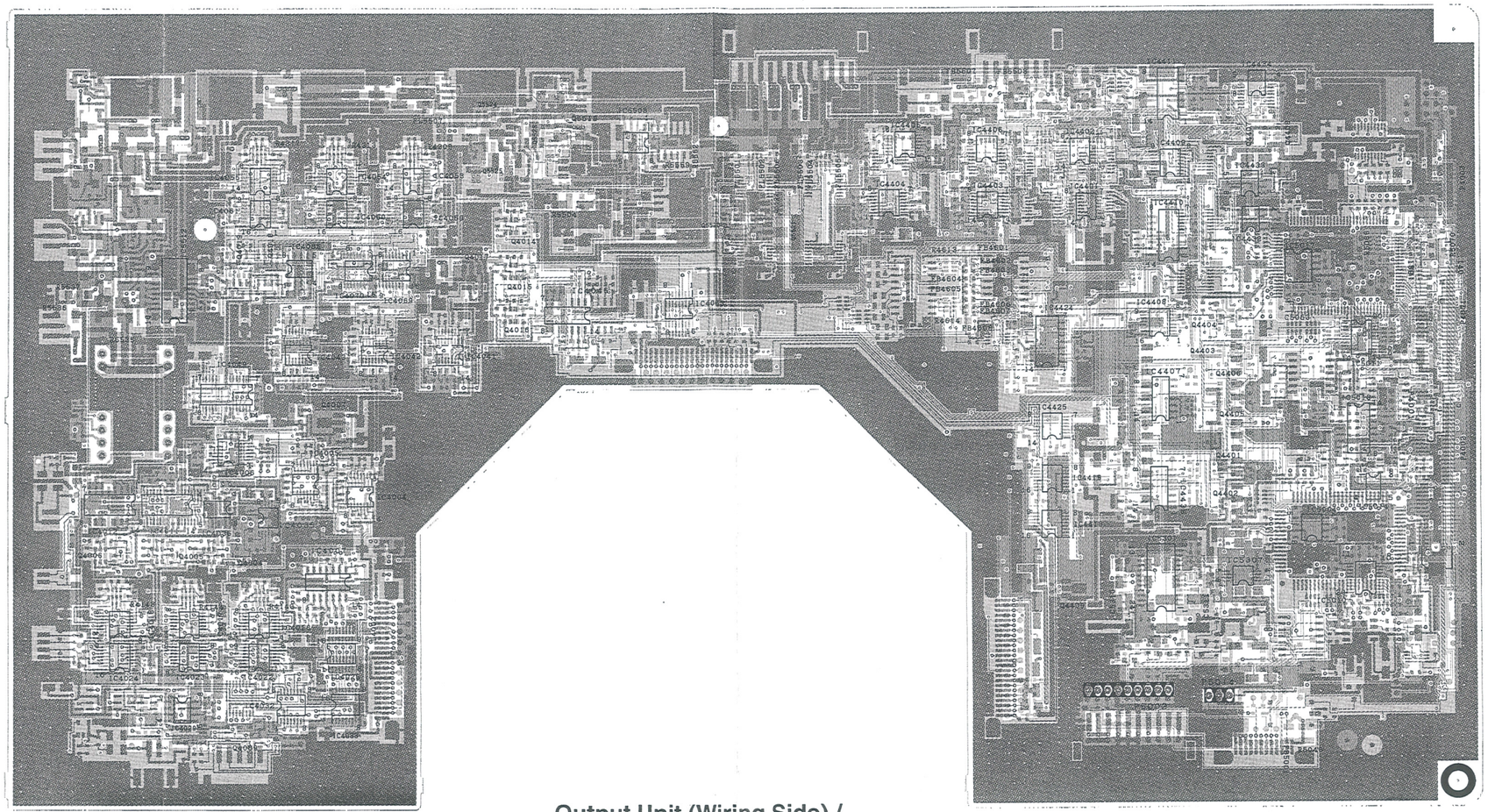
Video Board Unit (Component Side) /
Videokarteneinheit (Bestückungsseite)
视频装置印刷电路板(部件装备側)
(ONLY FOR AUSTRALIA/NEWZEALAND)



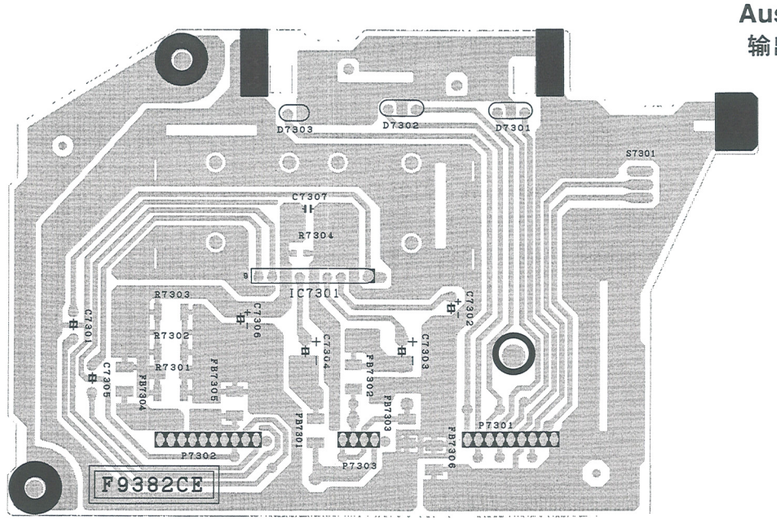
Signal Unit (Component Side) /
Signaleinheit (Bestückungsseite)
信号装置印刷电路板(部件装备側)



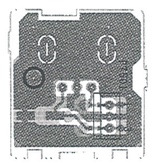
PC Terminal Unit (Component Side) /
PC-Anschlußeinheit (Bestückungsseite)
PC插接装置印刷电路板(部件装备側)



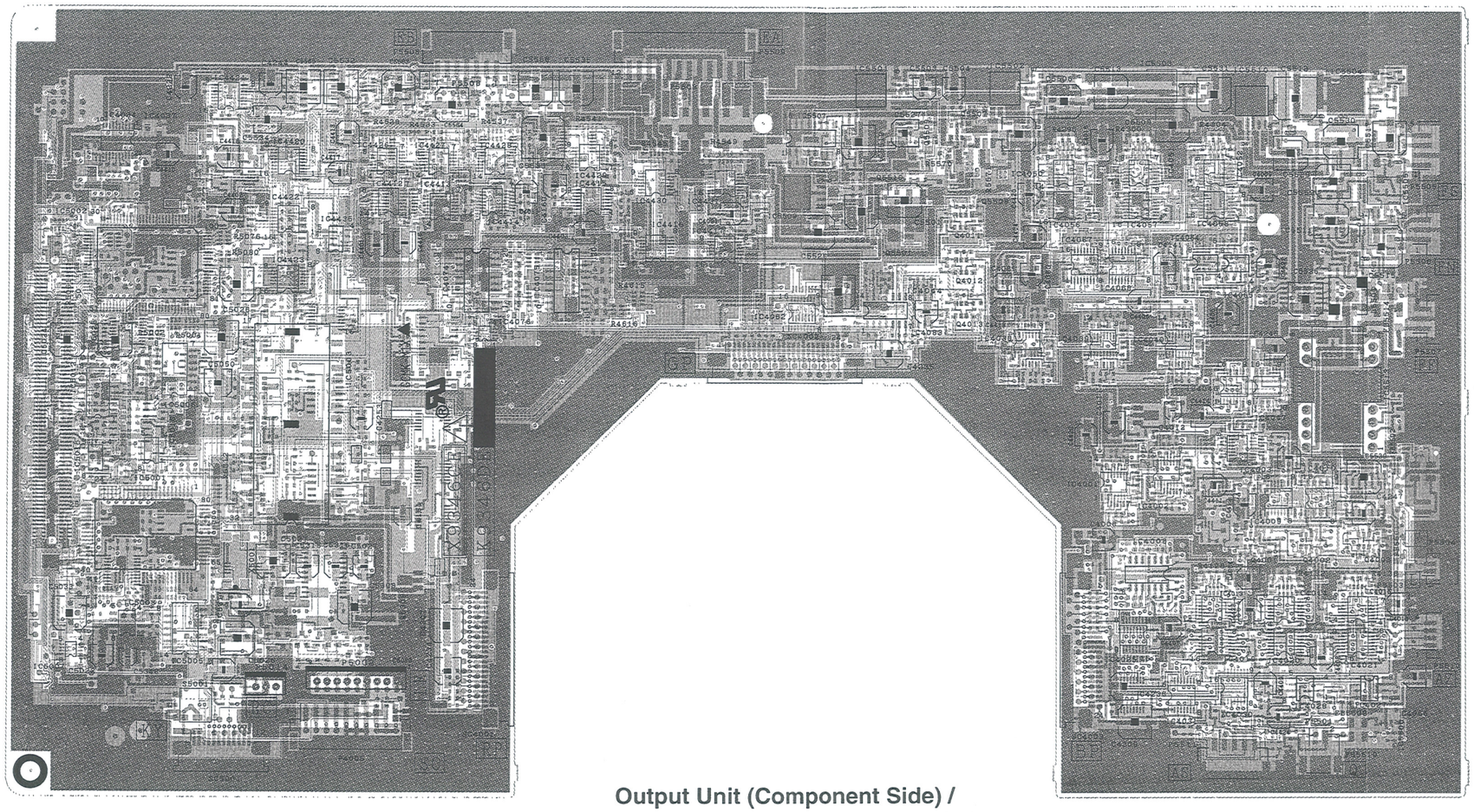
Output Unit (Wiring Side) /
Ausgabeeinheit (Leiterbhnseite)
输出装置印刷电路板(线路贴置侧)



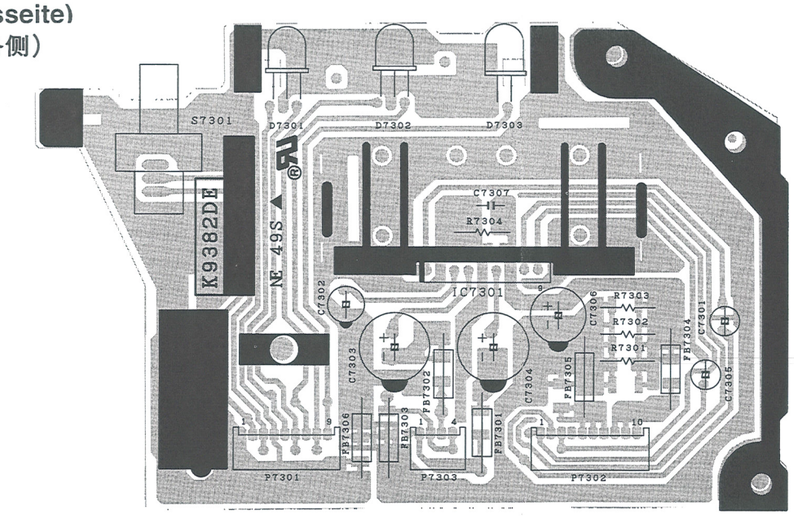
LED Unit (Wiring Side) / LED-Einheit (Leiterbahnseite) LED装置印刷电路板(线路贴置侧)

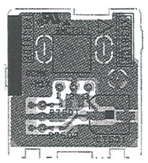


Infrared R/C Receiver Unit
(Wiring Side) /
Infrarot-Empfängereinheit
(Leiterbahnseite)
红外线遥控信号接收器印刷电路板
(线路贴置侧)



Output Unit (Component Side) /
Ausgabeeinheit (Bestückungsseite)
输出装置印刷电路板(部件装备侧)





Infrared R/C Receiver Unit
(Component Side) /
Infrarot-Empfängereinheit
(Bestückungsseite)
红外线遥控信号接收器印刷电路板
(部件装备侧)

LED Unit (Component Side) / LED-Einheit (Bestückungsseite) LED装置印刷电路板(部件装备侧)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK ★: SPARE PARTS-DELIVERY SECTION

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

MARKIERUNG ★: ERSATZTEILE-LIEFERUNG

更换零件表

更换零件

本维修说明书对具有特别安全要求的零件均用标记加以识别：在此更换零件表中，具有特别安全要求的电路元件均用⚠标记以便注意识别。更换零件时，为了用户的安全以及电视机原有的工作性能，务请使用夏普规定零件。否则，可能有导致触电、火灾或其他不测事故发生的可能。

更换零件的订货方法

为了能迅速而确实地接受订货、以及正确无误地按时交货，在订货时请将下列各项明确告知。

1. 型号
2. 参考编号
3. 零件编号
4. 零件名称
5. 代号
6. 数量

附★记号为备用部件的交货部门

Ref. No.	Part No.	★	Description	Code

LCD PANELS

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

	RLCDP0042CEZZ	J	LCD Module Unit, Red	CY
	RLCDP0043CEZZ	J	LCD Module Unit, Green	CY
	RLCDP0044CEZZ	J	LCD Module Unit, Blue	CY

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

DUNTK9345DE02	–	Signal Unit	—
DUNTK9346DE02	–	Output Unit	—
DUNTK9381DE02	–	Infrared R/C Receiver Unit	—
DUNTK9382DE02	–	LED Unit	—
RUNTK0571CEZZ	–	AC-SW Unit	—
RUNTK0575CEZZ	–	PC Terminal Unit	—
RUNTK0588CEZZ	–	Video Board Unit (For Australia and NewZealand)	—
CDENC0232CE01	–	Power/Ballast Unit	—

DUNTK9345DE02
SIGNAL UNIT

INTEGRATED CIRCUITS

IC1001	RH-iX2959CEZZ	J	I.C.	BH
IC1002	RH-iX2962CEZZ	J	I.C.	BA
IC1003	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1004	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1005	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1006	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1007	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1008	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1009	VHiNJU6322M-1	J	I.C.	AG
IC1011	VHiLM1204V/-1	J	I.C.	AY
IC1012	VHiM62352GP-1	J	M62352GP	AQ
IC1013	VHiiCS1522/-1	J	I.C.	BF
IC1014	VHiAD9057BR-1	J	I.C.	AZ
IC1015	VHiAD9057BR-1	J	I.C.	AZ
IC1016	VHiAD9057BR-1	J	I.C.	AZ
IC1017	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1018	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1019	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1020	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC1021	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1022	VHiNJM2245M-1	J	NJM2245M	AF
IC1023	VHiNJM2245M-1	J	NJM2245M	AF
IC1024	VHiLM4040C/-1	J	I.C.	AM
IC1025	VHiTC7S08F/-1	J	TC7S08F	AC
IC1026	VHiTC7S04F/-1	J	TC7S04F	AC
IC1027	VHi74HCT125-1	J	HD74HCT125T	AF
IC1028	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1029	VHiCXD1177Q-1	J	CXD1177Q	AS

Ref. No.	Part No.	★	Description	Code

DUNTK9345DE02
SIGNAL UNIT (Continued)

IC1030	VHiCXD1177Q-1	J	CXD1177Q	AS
IC1031	RH-iX3009CEZZ	J	I.C.	AX
IC1032	RH-iX1946CEZZ	J	74F74SJ	AD
IC1034	RH-iX1951CEZZ	J	74F08SJ	AD
IC1035	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1036	RH-iX3011CEZZ	J	I.C.	AS
IC1037	RH-iX3012CEZZ	J	I.C.	AS
IC1038	VHiTC7S04U/-1	J	TC7S04FU	AE
IC1039	VHiTC7S86U/-1	J	TC7S86FU	AD
IC1040	VHiTC7S86U/-1	J	TC7S86FU	AD
IC1041	VHiTC7S86U/-1	J	TC7S86FU	AD
IC1042	VHiTC7S86U/-1	J	TC7S86FU	AD
IC1043	VHiTC7S86U/-1	J	TC7S86FU	AD
IC1044	VHiTC7S86U/-1	J	TC7S86FU	AD
IC1045	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1046	VHiTC7W14F/-1	J	TC7W14F	AD
IC1201	RH-iX2958CEZZ	J	I.C.	BG
IC1202	RH-iX2895CEZZ	J	I.C.	BD
IC1203	RH-iX2895CEZZ	J	I.C.	BD
IC1204	RH-iX2895CEZZ	J	I.C.	BD
IC1205	RH-iX2895CEZZ	J	I.C.	BD
IC1206	RH-iX2960CEN2	J	I.C.	BR

TRANSISTORS

Q301	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q302	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q1401	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1402	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q1407	VS2SA1037KQ-1	J	2SA1037KQ	AA

DIODES

D1101	RH-EX0487CEZZ	J	Zener Diode	AC
D1401	RH-EX0227CEZZ	J	Zener Diode	AB
D1402	RH-EX0227CEZZ	J	Zener Diode	AB
D1403	RH-EX0227CEZZ	J	Zener Diode	AB
D1404	VHDMA152WK/-1	J	Diode MA152WK	AA
D1405	VHDMA152WK/-1	J	Diode MA152WK	AA
D1406	VHDMA152WK/-1	J	Diode MA152WK	AA
D1407	VHDMA152WK/-1	J	Diode MA152WK	AA
D1408	VHDMA152WK/-1	J	Diode MA152WK	AA
D1409	RH-EX0519CEZZ	J	Zener Diode	AB
D1410	RH-EX0226CEZZ	J	Zener Diode	AB
D1411	RH-EX0226CEZZ	J	Zener Diode	AB
D1412	RH-EX0226CEZZ	J	Zener Diode	AB
D1413	RH-EX0226CEZZ	J	Zener Diode	AB
D1416	RH-EX0226CEZZ	J	Zener Diode	AB
D1417	RH-EX0226CEZZ	J	Zener Diode	AB
D1418	VHDMA152WK/-1	J	Diode MA152WK	AA
D1419	RH-EX0515CEZZ	J	Zener Diode	AB
D1420	VHDMA152WK/-1	J	Diode MA152WK	AA

PACKAGED CIRCUIT

X1001	RCRSZ0055CEZZ	J	Crystal	AH

Ref. No.	Part No.	★	Description	Code

COILS

FL1101	RFiLN0097GEZZ	J	Filter	AF
FL1102	RFiLN0097GEZZ	J	Filter	AF
FL1107	RFiLN0097GEZZ	J	Filter	AF
FL1109	RFiLN0097GEZZ	J	Filter	AF
FL1202	RFiLN0097GEZZ	J	Filter	AF
L1001	VP-1M3R3MR93N	J	Peaking Coil 3.3µH	AC

CAPACITORS

C302	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C303	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C304	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C305	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C368	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C369	VCE9PF1CW475M	J	4.7	16V	Elect. (N.P)	AC
C370	VCE9PF1CW475M	J	4.7	16V	Elect. (N.P)	AC
C1001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1006	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1007	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1008	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1009	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1011	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C1012	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1013	VCKYCY1EB103K	J	0.01	25V	Ceramic	AA
C1015	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1016	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1017	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1019	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1020	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1021	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1022	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1023	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1024	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C1025	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1026	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1027	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1029	VCKYCY1EF104Z	J	0.1	2.5V	Ceramic	AA
C1030	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C1031	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C1102	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1103	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1104	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1106	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1107	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1108	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1109	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1110	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1111	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1112	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1113	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1114	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1115	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA

DUNTK9345DE02
SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C1116	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1117	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1118	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1119	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1120	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1121	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1122	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1123	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1124	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1125	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1126	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1127	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1128	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1129	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1130	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1131	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1132	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1133	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1134	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1135	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1136	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1201	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1202	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1204	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1205	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1207	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1210	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1211	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1212	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1215	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1218	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1220	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1221	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1222	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1223	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1224	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1226	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1227	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1228	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1229	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1230	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1231	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1232	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1233	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1234	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1235	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1236	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1237	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1238	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1239	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1240	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1241	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1242	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1243	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1244	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1245	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1246	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1247	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1248	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1249	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1250	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1251	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1252	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1253	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1254	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1255	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1257	RC-EZ0569CEZZ	J	10	16V	Electrolytic	AF
C1258	RC-EZ0569CEZZ	J	10	16V	Electrolytic	AF
C1259	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C1262	RC-EZ0569CEZZ	J	10	16V	Electrolytic	AF
C1263	RC-EZ0569CEZZ	J	10	16V	Electrolytic	AF
C1272	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1401	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C1402	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1403	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1404	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1405	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1406	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1407	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1408	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1409	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C1410	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1411	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C1412	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1413	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1414	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1415	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1416	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1417	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1418	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1419	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1420	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1421	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1422	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1423	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1424	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1425	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1426	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1427	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1428	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1429	RC-EZ0569CEZZ	J	10	16V	Electrolytic	AF
C1430	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1431	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1432	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1433	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1434	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1435	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1436	VCEAPF1CW106M	J	10	16V	Electrolytic	AB

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C1437	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1438	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1439	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1440	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1441	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1442	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1444	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1445	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1446	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1447	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1449	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1450	VCEAGA0JW337M	J	330	6.3V	Electrolytic	AB
C1451	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1452	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1453	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C1455	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1456	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1457	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1458	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1459	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1460	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C1461	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1463	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1465	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1466	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1467	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1468	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1469	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C1470	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1471	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1472	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1473	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1474	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1475	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1476	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1477	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1478	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1479	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C1480	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C1481	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1482	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1483	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1484	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C1485	VCE9PF1CW106M	J	10	16V	Elect. (N.P)	AC
C1486	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C1487	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C1488	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C1489	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC

RESISTORS

R301	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R302	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R303	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R304	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R305	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R306	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R393	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R397	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1004	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1005	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1006	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1007	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1008	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1009	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R1010	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R1011	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1012	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1013	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1014	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R1015	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1017	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1019	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1021	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1022	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1023	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1024	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1025	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1026	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1027	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1028	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1029	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1030	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1031	VRS-TV1JD000J	J	0	1/10W	Metal Oxide	AA
R1033	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1034	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1037	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1038	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1039	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1040	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1041	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1042	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1046	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1047	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1048	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1052	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1054	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1055	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1057	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1059	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1062	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1068	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1070	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1071	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1072	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1073	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1077	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1078	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1080	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R1081	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★		Description	Code
R1082	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1083	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1085	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1086	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1087	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1088	VRS-CY1JF111F	J	110	1/16W Metal Oxide	AA
R1089	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1094	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R1097	VRS-CY1JF331J	J	330	1/16W Metal Oxide	AA
R1101	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1102	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1103	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1104	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1105	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1107	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1108	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1109	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1110	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1112	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1113	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1114	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1115	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1116	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1117	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1118	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1119	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1120	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1121	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1122	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1123	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1124	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1125	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1126	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1127	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1128	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1129	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1130	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1131	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1132	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1133	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1134	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1135	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1136	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1137	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1138	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1139	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1141	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1162	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1164	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1166	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1167	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1168	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1169	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1170	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1171	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1172	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1173	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1174	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1175	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1176	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1177	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1178	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1179	VRS-CY1JF622J	J	6.2k	1/16W Metal Oxide	AA
R1180	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1181	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1182	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1201	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1202	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1203	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1204	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1209	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1210	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1211	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1212	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1213	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1214	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1221	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1222	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1223	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1224	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1225	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1226	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1227	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1228	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1229	VRS-CY1JF330J	J	33	1/16W Metal Oxide	AA
R1230	VRS-CY1JF330J	J	33	1/16W Metal Oxide	AA
R1231	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1232	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1233	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1234	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1235	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1236	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1237	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1238	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1239	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1240	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1241	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1242	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1243	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1244	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1250	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1254	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1255	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1256	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1257	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1258	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1259	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1263	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1266	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★		Description	Code
R1268	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1269	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1270	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1274	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1280	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1281	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1282	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1283	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1284	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1285	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1286	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1287	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1288	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1289	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1290	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1291	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1292	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1293	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1294	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1295	VRS-CB1JF221J	J	220	1/16W Metal Oxide	AC
R1401	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1402	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1403	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1404	VRS-CY1JF562J	J	5.6k	1/16W Metal Oxide	AA
R1405	VRS-CY1JF562J	J	5.6k	1/16W Metal Oxide	AA
R1406	VRS-CY1JF152J	J	1.5k	1/16W Metal Oxide	AA
R1407	VRS-CY1JF272J	J	2.7k	1/16W Metal Oxide	AA
R1408	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1409	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R1410	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R1411	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R1412	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R1413	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1414	VRS-CY1JF162F	J	1.6k	1/16W Metal Oxide	AA
R1415	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R1416	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1417	VRS-CY1JF102F	J	1k	1/16W Metal Oxide	AA
R1418	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1419	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R1421	VRS-CY1JF273J	J	27k	1/16W Metal Oxide	AA
R1422	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R1424	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1425	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1426	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R1429	VRS-CY1JF392J	J	3.9k	1/16W Metal Oxide	AA
R1431	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1432	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1433	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1434	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1435	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1436	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1437	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1438	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1439	VRS-CY1JF823J	J	82k	1/16W Metal Oxide	AA
R1440	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R1441	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R1442	VRS-CY1JF470J	J	47	1/16W Metal Oxide	AA
R1443	VRS-CY1JF472J	J	4.7k	1/16W Metal Oxide	AA
R1444	VRS-CY1JF472J	J	4.7k	1/16W Metal Oxide	AA
R1445	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1446	VRS-CY1JF123J	J	12k	1/16W Metal Oxide	AA
R1447	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1448	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1449	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1450	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1451	VRS-CY1JF162F	J	1.6k	1/16W Metal Oxide	AA
R1452	VRS-CY1JF102F	J	1k	1/16W Metal Oxide	AA
R1453	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1454	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1455	VRS-TX2HF1R0J	J	1	1/2W Metal Oxide	AA
R1456	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1457	VRS-CY1JF391J	J	390	1/16W Metal Oxide	AA
R1458	VRS-CY1JF153J	J	15k	1/16W Metal Oxide	AA
R1459	VRS-CY1JF683J	J	68k	1/16W Metal Oxide	AA
R1460	VRS-CY1JF153J	J	15k	1/16W Metal Oxide	AA
R1461	VRS-CY1JF683J	J	68k	1/16W Metal Oxide	AA
R1462	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1463	VRS-CY1JF181J	J	180	1/16W Metal Oxide	AA
R1464	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1465	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1466	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1467	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1468	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1469	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1471	VRS-TW2ED101J	J	100	1/4W Metal Oxide	AA
R1472	VRS-CY1JF224J	J	220k	1/16W Metal Oxide	AA
R1473	VRS-CY1JF224J	J	220k	1/16W Metal Oxide	AA
R1474	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1475	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1476	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1477	VRS-CY1JF224J	J	220k	1/16W Metal Oxide	AA
R1478	VRS-CY1JF224J	J	220k	1/16W Metal Oxide	AA
R1479	VRS-CY1JF102J	J	1k	1/16W Metal Oxide	AA
R1480	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1482	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1486	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1487	VRS-TV1JD000J	J	0	1/10W Metal Oxide	AA
R1488	VRS-TV1JD000J	J	0	1/10W Metal Oxide	AA
R1489	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1490	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

FB1001	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1002	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1003	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1004	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1005	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1008	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1201	RBLN-0059CEZZ	J	Ferrite Bead	AB

Ref. No.	Part No.	★	Description	Code
DUNTK9345DE02				
SIGNAL UNIT (Continued)				
FB1202	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1401	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1402	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1403	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1404	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1408	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1411	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1414	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB1415	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB1416	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1417	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1418	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1419	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1420	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1421	RBLN-0060CEZZ	J	Ferrite Bead	AC
FB1422	RBLN-0060CEZZ	J	Ferrite Bead	AC
J1001	QJAKJ0063CEZZ	J	Jack, Computer Audio In	AF
J1002	QJAKJ0063CEZZ	J	Jack, Wired R/C Input	AF
J1003	QJAKE0174CEZZ	J	Jack	
P1002	QPLGZ1404CEZZ	J	Plug 140-pin (CA)	AT
P1401	QPLGZ3044CEZZ	J	Plug 30-pin (TN)	AH
P1402	QPLGZ3044CEZZ	J	Plug 30-pin (VS)	AH
P1403	QPLGN0174FJZZ	J	Plug 2-pin (EC)	AC

Ref. No.	Part No.	★	Description	Code
DUNTK9346DE02				
OUTPUT UNIT				
INTEGRATED CIRCUITS				
IC4001	VHiNJM1496V-1	J	I.C.	AL
IC4002	VHiNJM1496V-1	J	I.C.	AL
IC4003	VHiNJM1496V-1	J	I.C.	AL
IC4004	VHiNJM1496V-1	J	I.C.	AL
IC4005	VHiNJM1496V-1	J	I.C.	AL
IC4006	VHiNJM1496V-1	J	I.C.	AL
IC4007	VHiAD8013AR-1	J	I.C.	AV
IC4008	VHiAD8013AR-1	J	I.C.	AV
IC4009	VHiNJU4053V-1	J	NJU4053BV	AF
IC4010	VHiNJU4053V-1	J	NJU4053BV	AF
IC4011	VHiNJM2060M-1	J	NJM2060M	AE
IC4012	VHiNJM2060M-1	J	NJM2060M	AE
IC4013	VHiNJM064V/-1	J	I.C.	AK
IC4014	VHiNJM064V/-1	J	I.C.	AK
IC4015	VHiNJM064V/-1	J	I.C.	AK
IC4016	VHiNJM064V/-1	J	I.C.	AK
IC4017	VHiNJM064V/-1	J	I.C.	AK
IC4018	VHiNJM064V/-1	J	I.C.	AK
IC4019	VHiNJU4052V-1	J	I.C.	AF
IC4020	VHiNJU4052V-1	J	I.C.	AF
IC4021	VHiNJU4052V-1	J	I.C.	AF
IC4022	VHiNJU4052V-1	J	I.C.	AF
IC4023	VHiNJU4052V-1	J	I.C.	AF
IC4024	VHiNJU4052V-1	J	I.C.	AF
IC4025	VHiNJU4051V-1	J	NJU4051BV	AG
IC4026	VHiNJU4051V-1	J	NJU4051BV	AG
IC4027	VHiLF398S8/-1	J	I.C.	AR
IC4028	VHiLF398S8/-1	J	I.C.	AR
IC4029	VHiLF353M//-1	J	LF353M	AG
IC4030	VHiNJU4051V-1	J	NJU4051BV	AG
IC4031	VHiNJU4051V-1	J	NJU4051BV	AG
IC4032	VHiNJU4051V-1	J	NJU4051BV	AG
IC4033	VHiNJU4051V-1	J	NJU4051BV	AG
IC4034	VHiM62352GP-1	J	M62352GP	AQ
IC4035	VHiNJM062V/-1	J	NJM062V	AG
IC4036	VHiNJM431E/-1	J	NJM431E-TE1	AF
IC4037	VHiLM4040C/-1	J	I.C.	AM
IC4038	VHiNJM1496V-1	J	I.C.	AL
IC4039	VHiNJM1496V-1	J	I.C.	AL
IC4040	VHiNJM1496V-1	J	I.C.	AL
IC4041	VHiNJM1496V-1	J	I.C.	AL
IC4042	VHiNJM1496V-1	J	I.C.	AL
IC4043	VHiNJM1496V-1	J	I.C.	AL
IC4044	VHiAD8013AR-1	J	I.C.	AV
IC4045	VHiAD8013AR-1	J	I.C.	AV
IC4046	VHiNJU4053V-1	J	NJU4053BV	AF
IC4047	VHiNJU4053V-1	J	NJU4053BV	AF
IC4049	VHiNJM2060M-1	J	NJM2060M	AE
IC4050	VHiNJM064V/-1	J	I.C.	AK
IC4051	VHiNJM064V/-1	J	I.C.	AK
IC4052	VHiNJM064V/-1	J	I.C.	AK
IC4053	VHiNJM064V/-1	J	I.C.	AK

DUNTK9346DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
IC4054	VHiNJM064V/-1	J	I.C.	AK
IC4055	VHiNJM064V/-1	J	I.C.	AK
IC4056	VHiNJU4052V-1	J	I.C.	AF
IC4057	VHiNJU4052V-1	J	I.C.	AF
IC4058	VHiNJU4052V-1	J	I.C.	AF
IC4059	VHiNJU4052V-1	J	I.C.	AF
IC4060	VHiNJU4052V-1	J	I.C.	AF
IC4061	VHiNJU4052V-1	J	I.C.	AF
IC4062	VHiNJU4051V-1	J	NJU4051BV	AG
IC4063	VHiNJU4051V-1	J	NJU4051BV	AG
IC4064	VHiLF398S8/-1	J	I.C.	AR
IC4065	VHiLF398S8/-1	J	I.C.	AR
IC4066	VHiLF353M//-1	J	LF353M	AG
IC4067	VHiNJU4051V-1	J	NJU4051BV	AG
IC4068	VHiNJU4051V-1	J	NJU4051BV	AG
IC4069	VHiNJU4051V-1	J	NJU4051BV	AG
IC4070	VHiNJU4051V-1	J	NJU4051BV	AG
IC4074	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC4075	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC4076	VHiTC7W04U/-1	J	TC7W04FU	AD
IC4080	VHiTC7W74F/-1	J	TC7W74F	AE
IC4081	VHiTC7S04F/-1	J	TC7S04F	AC
IC4401	VHiNJM1496V-1	J	I.C.	AL
IC4402	VHiNJM1496V-1	J	I.C.	AL
IC4403	VHiNJM1496V-1	J	I.C.	AL
IC4404	VHiNJM1496V-1	J	I.C.	AL
IC4405	VHiNJM1496V-1	J	I.C.	AL
IC4406	VHiNJM1496V-1	J	I.C.	AL
IC4407	VHiAD8013AR-1	J	I.C.	AV
IC4408	VHiNJU4053V-1	J	NJU4053BV	AF
IC4409	VHiNJU4053V-1	J	NJU4053BV	AF
IC4410	VHiNJM2060M-1	J	NJM2060M	AE
IC4411	VHiNJM2060M-1	J	NJM2060M	AE
IC4412	VHiNJU4052V-1	J	I.C.	AF
IC4413	VHiNJU4052V-1	J	I.C.	AF
IC4414	VHiNJU4052V-1	J	I.C.	AF
IC4415	VHiNJU4052V-1	J	I.C.	AF
IC4416	VHiNJU4052V-1	J	I.C.	AF
IC4417	VHiNJU4052V-1	J	I.C.	AF
IC4418	VHiNJU4051V-1	J	NJU4051BV	AG
IC4419	VHiNJU4051V-1	J	NJU4051BV	AG
IC4420	VHiNJU4051V-1	J	NJU4051BV	AG
IC4421	VHiNJU4051V-1	J	NJU4051BV	AG
IC4422	VHiNJU4051V-1	J	NJU4051BV	AG
IC4423	VHiNJU4051V-1	J	NJU4051BV	AG
IC4424	VHiNJM2902M-1	J	NJM2902M	AF
IC4425	VHiNJM2901V-1	J	NJM2901V	AD
IC4426	VHiNJM064V/-1	J	I.C.	AK
IC4427	VHiNJM064V/-1	J	I.C.	AK
IC4428	VHiNJM064V/-1	J	I.C.	AK
IC4429	VHiNJM064V/-1	J	I.C.	AK
IC4430	VHiNJM064V/-1	J	I.C.	AK
IC4431	VHiNJM064V/-1	J	I.C.	AK
IC4432	VHiLF398S8/-1	J	I.C.	AR
IC4433	VHiLF398S8/-1	J	I.C.	AR
IC4434	VHiLF353M//-1	J	LF353M	AG
IC4435	VHiTC7W74F/-1	J	TC7W74F	AE
IC4436	VHiAD8013AR-1	J	I.C.	AV
IC5001	RH-iX2961CEZZ	J	HD641180XF6	BB
IC5002	RH-iX2967CEZZ	J	I.C.	AW
IC5003	RH-iX3010CEN1	J	I.C.	AY
IC5004	VHiM51957BF-1	J	M51957BFP	AE
IC5005	RH-iX1433CEZZ	J	TC74HC32AF	AD
IC5006	VHiSNHC00NS-1	J	SN74HC00NS	AC
IC5007	VHiTC4W66U/-1	J	TC4W66FU	AF
IC5008	RH-iX2963CEZZ	J	I.C.	AX
IC5010	VHiM62352GP-1	J	M62352GP	AQ
IC5011	VHiTC35093/-1	J	I.C.	AQ
IC5012	VHiNJM2902M-1	J	NJM2902M	AF
IC5013	VHiNJM2902M-1	J	NJM2902M	AF
IC5014	VHiTC7W32F/-1	J	TC7W32F	AE
IC5015	VHiTC7W14F/-1	J	TC7W14F	AD
IC5016	VHiTC7W74F/-1	J	TC7W74F	AE
IC5017	VHiMB3773//-1	J	I.C.	AK
IC5018	VHiTC7W74F/-1	J	TC7W74F	AE
IC5301	VHiTA8184F/-1	J	TA8184F	AN
IC5501	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC5502	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC5503	VHiPQ05SZ51-1	J	PQ05SZ51	AG
IC5504	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5505	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5506	VHiTC4S66F/-1	J	TC4S66F	AD
IC5507	VHiPDAC08CS-1	J	DAC-08CS	AU
IC5508	VHiNJM318M/-1	J	NJM318M	AG
IC5509	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC5510	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC5512	VHiLB1831M/-1	J	LB1831M	AN
IC5513	VHiTA7279P/-1	J	TA7279P	AP
IC5514	RH-iX2204CEZZ	J	PQ12TZ11	AG

TRANSISTORS

Q4001	VSiMZ1/////-1	J	iMZ1	AB
Q4002	VSiMZ1/////-1	J	iMZ1	AB
Q4003	VSiMZ1/////-1	J	iMZ1	AB
Q4004	VSiMZ1/////-1	J	iMZ1	AB
Q4005	VSiMZ1/////-1	J	iMZ1	AB
Q4006	VSiMZ1/////-1	J	iMZ1	AB
Q4007	VS2SB1132Q/-1	J	2SB1132Q	AC
Q4008	VSiMZ1/////-1	J	iMZ1	AB
Q4009	VSiMZ1/////-1	J	iMZ1	AB
Q4010	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q4011	VSiMZ1/////-1	J	iMZ1	AB
Q4012	VSiMZ1/////-1	J	iMZ1	AB
Q4013	VSiMZ1/////-1	J	iMZ1	AB
Q4014	VSiMZ1/////-1	J	iMZ1	AB
Q4015	VSiMZ1/////-1	J	iMZ1	AB
Q4016	VSiMZ1/////-1	J	iMZ1	AB
Q4017	VS2SB1132Q/-1	J	2SB1132Q	AC
Q4018	VSiMZ1/////-1	J	iMZ1	AB

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
Q4019	VSiMZ1/////-1	J	iMZ1	AB
Q4401	VSiMZ1/////-1	J	iMZ1	AB
Q4402	VSiMZ1/////-1	J	iMZ1	AB
Q4403	VSiMZ1/////-1	J	iMZ1	AB
Q4404	VSiMZ1/////-1	J	iMZ1	AB
Q4405	VSiMZ1/////-1	J	iMZ1	AB
Q4406	VSiMZ1/////-1	J	iMZ1	AB
Q4407	VSiMZ1/////-1	J	iMZ1	AB
Q4408	VSiMZ1/////-1	J	iMZ1	AB
Q4409	VS2SB1132Q/-1	J	2SB1132Q	AC
Q4410	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4411	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4412	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5001	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5002	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5003	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5004	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5007	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5008	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5317	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5501	VS2SD1664R/-1	J	2SD1664R	AC
Q5502	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5503	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5504	VSDTC114EU/-1	J	DTC114EU	AB
Q5507	VS2SD1664R/-1	J	2SD1664R	AC
Q5508	VS2SD1664R/-1	J	2SD1664R	AC
Q5509	VS2SD1664R/-1	J	2SD1664R	AC
Q5510	VS2SB1132Q/-1	J	2SB1132Q	AC
Q5511	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5512	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5513	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5514	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5515	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q5516	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5518	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q5519	VSiMZ1/////-1	J	iMZ1	AB
Q5520	VSiMZ1/////-1	J	iMZ1	AB
Q5521	VS2SD1664R/-1	J	2SD1664R	AC
Q5522	VS2SB1132Q/-1	J	2SB1132Q	AC
Q5523	VSiMZ1/////-1	J	iMZ1	AB
Q5524	VS2SD1664R/-1	J	2SD1664R	AC
Q5525	VS2SB1132Q/-1	J	2SB1132Q	AC
Q5526	VSDTC144EK/-1	J	DTC144EK	AB

DIODES

D4001	RH-EX0519CEZZ	J	Zener Diode	AB
D4002	RH-EX0519CEZZ	J	Zener Diode	AB
D4006	RH-EX0519CEZZ	J	Zener Diode	AB
D5001	VHDMA152WA/-1	J	Diode MA152WA	AA
D5002	VHDMA152WA/-1	J	Diode MA152WA	AA
D5003	VHDMA152WA/-1	J	Diode MA152WA	AA
D5004	VHDMA152WA/-1	J	Diode MA152WA	AA
D5005	VHDMA153///-1	J	Diode MA153	AB
D5006	VHDMA153///-1	J	Diode MA153	AB
D5007	VHDMA153///-1	J	Diode MA153	AB
D5008	VHDMA153///-1	J	Diode MA153	AB
D5009	VHDMA152WK/-1	J	Diode MA152WK	AA
D5010	VHDMA152WK/-1	J	Diode MA152WK	AA
D5011	VHDMA152WK/-1	J	Diode MA152WK	AA
D5012	VHDMA152WK/-1	J	Diode MA152WK	AA
D5013	VHDMA153///-1	J	Diode MA153	AB
D5014	VHDMA153///-1	J	Diode MA153	AB
D5015	VHDMA153///-1	J	Diode MA153	AB
D5016	VHDMA153///-1	J	Diode MA153	AB
D5017	RH-EX0226CEZZ	J	Zener Diode	AB
D5018	RH-EX0226CEZZ	J	Zener Diode	AB
D5501	VHDMA152WK/-1	J	Diode MA152WK	AA
D5502	VHDMA152WK/-1	J	Diode MA152WK	AA
D5503	VHDMA152WK/-1	J	Diode MA152WK	AA
D5504	VHDMA152WK/-1	J	Diode MA152WK	AA
D5505	VHDMA152WK/-1	J	Diode MA152WK	AA
D5506	VHDMA152WK/-1	J	Diode MA152WK	AA
D5509	VHDMA152WK/-1	J	Diode MA152WK	AA
D5510	VHDMA152WK/-1	J	Diode MA152WK	AA
D5512	VHDMA152WK/-1	J	Diode MA152WK	AA
D5513	VHDMA152WK/-1	J	Diode MA152WK	AA
D5514	RH-EX0516CEZZ	J	Zener Diode	AB
D5515	VHDMA152WK/-1	J	Diode MA152WK	AA
D5516	VHDMA152WK/-1	J	Diode MA152WK	AA
D5517	VHDMA152WK/-1	J	Diode MA152WK	AA
D5518	VHDMA152WK/-1	J	Diode MA152WK	AA
D5519	VHDMA152WK/-1	J	Diode MA152WK	AA

PACKAGED CIRCUIT

X5001	RCRSZ0054CEZZ	J	Crystal	AH

COIL AND TRANSFORMERS

FL5501	RFiLN0097GEZZ	J	Filter	AF
FL5502	RFiLN0097GEZZ	J	Filter	AF
FL5503	RFiLN0097GEZZ	J	Filter	AF
FL5504	RFiLN0097GEZZ	J	Filter	AF
FL5505	RFiLN0097GEZZ	J	Filter	AF
FL5506	RFiLN0097GEZZ	J	Filter	AF
FL5507	RFiLN0097GEZZ	J	Filter	AF
L4001	VPAPM100K1R3N	J	Peaking Coil 10µH	AD
L4002	VPAPM100K1R3N	J	Peaking Coil 10µH	AD
L4003	VPAPM100K1R3N	J	Peaking Coil 10µH	AD
L5502	RCiLP0168TAZZ	J	Filter	AF

CAPACITORS

C4001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4006	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4007	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4008	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4009	VCEAPF1CW106M	J	10	16V	Electrolytic	AB

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
C4010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4011	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4012	VCEAPH1HW105M	J	1	50V	Electrolytic	AB
C4013	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4014	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4015	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4016	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4017	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4018	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4019	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4020	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4021	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4022	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4023	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4024	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4025	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4026	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4027	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4028	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4029	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4030	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4031	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4032	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4033	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4034	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4035	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4036	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4037	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4038	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4039	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4040	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4041	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4042	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4043	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4044	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4045	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4046	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4047	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4048	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4049	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4050	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4051	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4052	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4053	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4054	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4055	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4056	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4057	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4058	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4059	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4060	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4061	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4062	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4063	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4064	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4065	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4066	VCCCCY1HH271J	J	270p	50V	Ceramic	AA
C4067	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C4068	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4069	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4070	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4071	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4072	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4073	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4074	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4075	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4076	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4077	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4078	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4079	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4080	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4081	VCEAPH1HW105M	J	1	50V	Electrolytic	AB
C4082	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4083	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4084	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4085	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4086	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4087	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4088	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4089	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4090	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4091	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4092	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4093	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4095	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4096	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4097	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4098	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4099	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4101	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4102	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4103	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4104	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4105	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4106	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4107	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4108	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4109	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4110	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4111	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4112	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4113	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4114	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4115	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4116	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4117	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4118	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4119	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4120	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
C4121	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4122	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4123	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4124	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4125	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4126	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4127	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4128	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4129	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4130	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4131	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4132	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4133	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4134	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4135	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4136	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4137	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4138	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4139	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4141	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4142	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C4143	VCCCCY1HH271J	J	270p	50V	Ceramic	AA
C4144	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4145	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4146	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4147	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4148	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4149	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4155	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4156	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4157	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4158	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4159	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4160	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4161	VCEAPH1HW105M	J	1	50V	Electrolytic	AB
C4162	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4163	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4164	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4166	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4167	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4168	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4169	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4170	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4172	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4173	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4175	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4176	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4177	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4178	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4179	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4180	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4181	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4182	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4183	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4184	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4185	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4186	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4187	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4188	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4189	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4190	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4191	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4192	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4193	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4194	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4195	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4196	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4197	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4198	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4199	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4201	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4202	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4203	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4204	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4205	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4206	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4207	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4208	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4209	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4210	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4211	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4212	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4213	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4214	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4215	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4216	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4217	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4218	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4220	VCCCCY1HH271J	J	270p	50V	Ceramic	AA
C4221	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C4222	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4223	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4224	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4226	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4227	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4228	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4229	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4230	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4231	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4232	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4233	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4234	VCEAPF1EW106M	J	10	25V	Electrolytic	AB
C4235	VCEAPF1EW106M	J	10	25V	Electrolytic	AB
C4236	VCEAPF1EW106M	J	10	25V	Electrolytic	AB
C4237	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4238	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4239	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4240	VCEAPF1CW106M	J	10	16V	Electrolytic	AB

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Ref. No.	Part No.	★	Description			Code
C4241	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4242	VCCCCY1HH7R0D	J	7p	50V	Ceramic	AA
C4243	VCCCCY1HH7R0D	J	7p	50V	Ceramic	AA
C4244	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4245	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4246	VCCCCY1HH7R0D	J	7p	50V	Ceramic	AA
C4247	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4248	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4249	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4307	VCEAPF1AW476M	J	47	10V	Electrolytic	AB
C4308	VCEAPF1AW476M	J	47	10V	Electrolytic	AB
C4309	VCEAPF1AW476M	J	47	10V	Electrolytic	AB
C4401	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4402	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4403	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4404	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4405	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4406	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4407	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4408	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4409	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4410	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C4411	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C4412	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C4413	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4414	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4415	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4416	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4417	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4418	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4419	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4420	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4421	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4422	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4423	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4424	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4427	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C4428	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C4430	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4431	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C4432	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C5001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5005	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C5006	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C5007	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5008	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5009	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5011	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5012	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5013	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5014	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5018	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5019	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5022	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5025	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5026	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5027	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5028	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5029	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5030	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5031	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5032	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5033	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5034	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5035	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA
C5036	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5037	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA
C5038	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5039	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C5040	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C5041	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5050	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5051	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5052	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5053	VCSAPD1CJ105M	J	1	16V	Tantalum	AC
C5054	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5056	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C5057	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5058	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5059	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5060	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C5061	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5163	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5164	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5165	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5308	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5309	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5310	VCFRED1HM822J	J	8200p	50V	Mylar	AD
C5311	VCFRED1HM822J	J	8200p	50V	Mylar	AD
C5312	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C5313	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C5314	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5315	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5316	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5317	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5318	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C5322	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C5323	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C5324	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C5346	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5348	VCEAPH1HW105M	J	1	50V	Electrolytic	AB
C5501	VCEAPF1AW476M	J	47	10V	Electrolytic	AB
C5502	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5503	VCEAPF1EW106M	J	10	25V	Electrolytic	AB
C5504	VCEAPF1CW106M	J	10	16V	Electrolytic	AB

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
C5505	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5506	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5507	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5508	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5509	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5511	VCEAPX1EW107M	J	100	25V	Electrolytic	AD
C5512	VCEAPK1CN107M	J	100	16V	Electrolytic	AD
C5513	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5514	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5515	VCEAPK1CN107M	J	100	16V	Electrolytic	AD
C5516	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5517	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5518	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5519	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5520	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5521	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C5522	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5523	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5524	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5525	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5526	VCEAPF1EW226M	J	22	25V	Electrolytic	AB
C5527	VCEAPF1EW106M	J	10	25V	Electrolytic	AB
C5528	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5529	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5530	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5531	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5533	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5534	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C5535	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5536	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5539	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5540	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5541	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5542	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5543	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5544	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5545	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5546	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5547	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5548	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5549	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5550	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5551	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5552	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5553	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5554	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5555	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5556	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5557	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5558	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5559	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5560	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5561	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5562	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5563	VCEAPX1CW227M	J	220	16V	Electrolytic	AD
C5564	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5565	VCE9PF1CW226M	J	22	16V	Elect. (N.P)	AD
C5566	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C5567	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C5568	VCEAPF1CW107M	J	100	16V	Electrolytic	AD

RESISTORS

R4001	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4002	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4003	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4004	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4005	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4006	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4007	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4008	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4009	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4010	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4011	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4012	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4013	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4014	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4015	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4016	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4017	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4018	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4019	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4020	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4021	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4022	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4023	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4024	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4025	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4026	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4027	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4028	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4029	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4030	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4031	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4032	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4033	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4034	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4035	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4036	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4037	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4038	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4039	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4040	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4041	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4042	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4043	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4044	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4045	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4046	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R4047	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4048	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4049	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4050	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4051	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4052	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4053	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4054	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4055	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4056	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4057	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4058	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4059	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4060	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4061	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4062	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4063	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4064	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4065	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4066	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4067	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4068	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4069	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4070	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4071	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4072	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4073	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4074	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4075	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4076	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4077	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4078	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4079	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4080	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4081	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4082	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4083	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4084	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4085	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4086	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4087	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4088	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4089	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4090	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4091	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4092	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4093	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4094	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4095	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4096	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4097	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4098	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4099	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4100	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4101	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4102	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4103	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4104	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4105	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4106	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4107	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4108	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4109	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4110	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4111	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4112	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4113	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4114	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4115	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4116	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R4117	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4118	VRS-CY1JF512J	J	5.1k	1/16W	Metal Oxide	AA
R4119	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4121	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4124	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4125	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4126	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4127	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4128	VRS-CB1JF102J	J	1k	1/16W	Metal Oxide	AA
R4132	VRS-CB1JF102J	J	1k	1/16W	Metal Oxide	AA
R4136	VRS-CB1JF102J	J	1k	1/16W	Metal Oxide	AA
R4140	VRS-CB1JF102J	J	1k	1/16W	Metal Oxide	AA
R4144	VRS-CB1JF102J	J	1k	1/16W	Metal Oxide	AA
R4148	VRS-CB1JF102J	J	1k	1/16W	Metal Oxide	AA
R4152	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4153	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R4154	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4155	VRS-CY1JF223F	J	22k	1/16W	Metal Oxide	AA
R4156	VRS-CY1JF223F	J	22k	1/16W	Metal Oxide	AA
R4157	VRS-CY1JF223F	J	22k	1/16W	Metal Oxide	AA
R4158	VRS-CY1JF133F	J	13k	1/16W	Metal Oxide	AA
R4159	VRS-CY1JF223F	J	22k	1/16W	Metal Oxide	AA
R4160	VRS-CY1JF223F	J	22k	1/16W	Metal Oxide	AA
R4161	VRS-CY1JF133F	J	13k	1/16W	Metal Oxide	AA
R4162	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4163	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4164	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4165	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4166	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4167	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4168	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4169	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4170	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4171	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4172	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4173	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4174	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4175	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4176	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R4177	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4178	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4179	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4180	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4181	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4182	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4183	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4184	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4185	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4186	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4187	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4188	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4189	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4190	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4191	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4192	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4193	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4194	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4195	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4196	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4197	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4198	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4199	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4200	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4201	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4202	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4203	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4204	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4205	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4206	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4207	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4208	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4209	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4210	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4211	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4212	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4213	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4214	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4215	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4216	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4217	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4218	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4219	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4220	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4221	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4222	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4223	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4224	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4225	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R4226	VRS-CY1JF471F	J	470	1/16W	Metal Oxide	AA
R4227	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4228	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4229	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4230	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4231	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4232	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4233	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4234	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4235	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4236	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4237	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4238	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4239	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4240	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4241	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4242	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4243	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4244	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4245	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4246	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4247	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4248	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4249	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4250	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4251	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4252	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4253	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4254	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4255	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4256	VRS-CY1JF362J	J	3.6k	1/16W	Metal Oxide	AA
R4257	VRS-CY1JF362F	J	3.6k	1/16W	Metal Oxide	AA
R4258	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R4259	VRS-CY1JF751F	J	750	1/16W	Metal Oxide	AA
R4260	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4261	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4262	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4263	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4264	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4265	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4266	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4267	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4268	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4269	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4270	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4271	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4272	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4273	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4274	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4275	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4276	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4277	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4278	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4279	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4280	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4281	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R4282	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4283	VRS-CY1JF202F	J	2k	1/16W	Metal Oxide	AA
R4292	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R4293	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R4294	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4295	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4296	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4300	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4304	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4308	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4309	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4313	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4317	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4323	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4324	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4325	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4326	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4327	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4328	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4329	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4330	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4331	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4332	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4339	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R4401	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4402	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4403	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4404	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4405	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4406	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4407	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R4408	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4409	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4410	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4411	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4412	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4413	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4414	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4415	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4416	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4417	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R4418	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4419	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4420	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4421	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4422	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4423	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4424	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4425	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4426	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4427	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R4428	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4429	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4430	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4431	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4432	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4433	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4434	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4435	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4436	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4437	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R4438	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4439	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4440	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4441	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4442	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4443	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4444	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4445	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4446	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4447	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R4448	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4449	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4450	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4451	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4452	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4453	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4454	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4455	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4456	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4457	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R4458	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R4459	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4460	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4461	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4462	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4463	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4464	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4465	VRS-CY1JF362F	J	3.6k 1/16W Metal Oxide	AA
R4466	VRS-CY1JF362J	J	3.6k 1/16W Metal Oxide	AA
R4467	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4468	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4469	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4470	VRS-CY1JF362J	J	3.6k 1/16W Metal Oxide	AA
R4471	VRS-CY1JF362F	J	3.6k 1/16W Metal Oxide	AA
R4472	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4473	VRS-CY1JF362J	J	3.6k 1/16W Metal Oxide	AA
R4474	VRS-CY1JF362F	J	3.6k 1/16W Metal Oxide	AA
R4475	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4476	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4477	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4478	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4479	VRS-CY1JF362F	J	3.6k 1/16W Metal Oxide	AA
R4480	VRS-CY1JF362J	J	3.6k 1/16W Metal Oxide	AA
R4481	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4482	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4483	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4484	VRS-CY1JF362J	J	3.6k 1/16W Metal Oxide	AA
R4485	VRS-CY1JF362F	J	3.6k 1/16W Metal Oxide	AA
R4486	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4487	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4488	VRS-CY1JF362J	J	3.6k 1/16W Metal Oxide	AA
R4489	VRS-CY1JF362F	J	3.6k 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R4490	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4491	VRS-CY1JF751F	J	750 1/16W Metal Oxide	AA
R4492	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4493	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4494	VRS-CY1JF202F	J	2k 1/16W Metal Oxide	AA
R4495	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4496	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4497	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4498	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4499	VRS-CY1JF202F	J	2k 1/16W Metal Oxide	AA
R4501	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4502	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4503	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4504	VRS-CY1JF202F	J	2k 1/16W Metal Oxide	AA
R4505	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4506	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4507	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4508	VRS-CY1JF202F	J	2k 1/16W Metal Oxide	AA
R4509	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4510	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4511	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4512	VRS-CY1JF202F	J	2k 1/16W Metal Oxide	AA
R4513	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4514	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4515	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4516	VRS-CY1JF202F	J	2k 1/16W Metal Oxide	AA
R4517	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4518	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4519	VRS-CY1JF512J	J	5.1k 1/16W Metal Oxide	AA
R4520	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4521	VRS-CY1JF512J	J	5.1k 1/16W Metal Oxide	AA
R4522	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4523	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4524	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4525	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4526	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4527	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4528	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4529	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4533	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4537	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4541	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4545	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4549	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R4553	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4554	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4555	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4556	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4557	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4558	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4559	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4560	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4561	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4562	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4563	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4564	VRS-CY1JF752J	J	7.5k 1/16W Metal Oxide	AA
R4565	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4566	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4567	VRS-CY1JF752J	J	7.5k 1/16W Metal Oxide	AA
R4568	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4569	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R4570	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R4571	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4572	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4573	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4574	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R4575	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4576	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4577	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4578	VRS-CY1JF752J	J	7.5k 1/16W Metal Oxide	AA
R4579	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4580	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4581	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4582	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4583	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4585	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4586	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4587	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4588	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4589	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4590	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4591	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4592	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4593	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4594	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4595	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4596	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4597	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4598	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4599	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4600	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4601	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4602	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4603	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4610	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4611	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4612	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4613	VRS-CB1JF221J	J	220 1/16W Metal Oxide	AC
R4614	VRS-CB1JF221J	J	220 1/16W Metal Oxide	AC
R4615	VRS-CB1JF221J	J	220 1/16W Metal Oxide	AC
R4616	VRS-CB1JF221J	J	220 1/16W Metal Oxide	AC
R4617	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4618	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4619	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4620	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4630	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4631	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4632	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4635	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R5001	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5002	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5004	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5005	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R5006	VRS-CY1JF203F	J	20k	1/16W	Metal Oxide	AA
R5007	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R5008	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R5009	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5010	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R5011	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5012	VRS-CB1JF103J	J	10k	1/16W	Metal Oxide	AA
R5013	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R5014	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5015	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5016	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5017	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R5018	VRN-CY1JF394F	J	390k	1/16W	Metal Oxide	AA
R5020	VRN-CY1JF822D	J	8.2k	1/16W	Metal Film	AB
R5021	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5025	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5026	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5027	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5028	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R5030	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5031	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5035	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5036	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5037	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5038	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5039	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5040	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5041	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5042	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5043	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5044	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5045	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5046	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5047	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5048	VRS-TW2ED000J	J	0	1/4W	Metal Oxide	AB
R5050	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5053	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5054	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5055	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5056	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5061	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5062	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5063	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5064	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5066	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5070	VRS-CB1JF103J	J	10k	1/16W	Metal Oxide	AA
R5071	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5072	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5073	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5074	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5075	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5076	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5081	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R5082	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5083	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5084	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5085	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5086	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5087	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5089	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5090	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5091	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5092	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5093	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5094	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5095	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5096	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5098	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5099	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5100	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5101	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5102	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5105	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5106	VRS-CY1JF152J	J	1.5k	1/16W	Metal Oxide	AA
R5107	VRS-CY1JF152J	J	1.5k	1/16W	Metal Oxide	AA
R5108	VRS-CY1JF152J	J	1.5k	1/16W	Metal Oxide	AA
R5109	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5110	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5111	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5112	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5113	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R5114	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5115	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5116	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5118	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5119	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5121	VRS-CY1JF683J	J	68k	1/16W	Metal Oxide	AA
R5122	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5123	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5124	VRS-CY1JF823J	J	82k	1/16W	Metal Oxide	AA
R5125	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5127	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5128	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R5129	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5130	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R5131	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5133	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5134	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5137	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5138	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5139	VRS-CY1JF823J	J	82k	1/16W	Metal Oxide	AA
R5140	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5141	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5142	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5143	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA

DUNTK9346DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R5144	VRS-CY1JF683J	J	68k	1/16W	Metal Oxide	AA
R5145	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5146	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5147	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5148	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R5150	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5151	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5153	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5156	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5157	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5159	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5160	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5161	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5162	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R5163	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R5164	VRS-CY1JF334J	J	330k	1/16W	Metal Oxide	AA
R5165	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5166	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5167	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R5170	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R5171	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5172	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5181	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5182	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5183	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5184	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5185	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5309	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R5310	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5311	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5312	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R5313	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R5314	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5315	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5316	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5325	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5326	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5381	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5382	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5383	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5384	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5391	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5392	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5501	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5502	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R5503	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5504	VRS-TW2ED271J	J	270	1/4W	Metal Oxide	AA
R5505	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5506	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R5507	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R5508	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5509	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5510	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5511	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5512	VRS-CY1JF822J	J	8.2k	1/16W	Metal Oxide	AA
R5513	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5514	VRS-CY1JF561J	J	560	1/16W	Metal Oxide	AA
R5515	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5521	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5522	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5523	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5524	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5526	VRS-CY1JF184J	J	180k	1/16W	Metal Oxide	AA
R5527	VRN-CY1JF242D	J	2.4k	1/16W	Metal Film	AB
R5528	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5529	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5530	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5531	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5532	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R5533	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5534	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5535	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R5536	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5537	VRS-TX2HF100J	J	10	1/2W	Metal Oxide	AA
R5538	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5539	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5540	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R5542	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5543	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5544	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5545	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R5546	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5547	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5548	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R5549	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5550	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R5551	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5552	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5553	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5554	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5555	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5557	VRS-CY1JF622F	J	6.2k	1/16W	Metal Oxide	AA
R5558	VRS-CY1JF622F	J	6.2k	1/16W	Metal Oxide	AA
R5559	VRS-TW2ED271J	J	270	1/4W	Metal Oxide	AA
R5560	VRS-CY1JF243F	J	24k	1/16W	Metal Oxide	AA
R5561	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5562	VRS-TX2HF3R3J	J	3.3	1/2W	Metal Oxide	AB
R5563	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5564	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R5565	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R5566	VRS-CY1JF510F	J	51	1/16W	Metal Oxide	AA
R5567	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5568	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R5569	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R5570	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R5571	VRS-TX2HF1R0J	J	1	1/2W	Metal Oxide	AA
R5572	VRS-CY1JF390J	J	39	1/16W	Metal Oxide	AA
R5573	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5574	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description			Code

DUNTK9346DE02
OUTPUT UNIT (Continued)

R5575	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5576	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5577	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5578	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5579	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5580	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5581	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5582	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5583	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5584	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5585	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5586	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5587	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5588	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5589	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5590	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R5592	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5593	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5594	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5595	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5596	VRS-CY1JF683F	J	68k	1/16W	Metal Oxide	AA
R5597	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5601	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5602	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5603	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5604	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R5605	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R5606	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5607	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5608	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5609	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5610	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R5611	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R5612	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5619	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R5620	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5627	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R5628	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R5629	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA

SWITCH

S5001	QSW-K0065GEZZ	J	Switch	AC

MISCELLANEOUS PARTS

FB4601	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4602	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4603	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4604	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4605	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4606	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4608	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4609	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4610	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4611	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4612	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4613	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4614	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4615	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4616	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB5001	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5501	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5502	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5504	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5505	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5506	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5507	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5508	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5509	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5510	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5512	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5513	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5514	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB5516	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5517	RBLN-0062CEZZ	J	Ferrite Bead	AC
P4005	QPLGN0182FJZZ	J	Plug 10-pin (SO)	AD
P5002	QPLGN0978GEZZ	J	Plug 9-pin (LE)	AC
P5014	QPLGN0378GEZZ	J	Plug 3-pin (RC)	AB
P5501	QPLGN0174FJZZ	J	Plug 2-pin (Q)	AC
P5503	QPLGN0264TAZZ	J	Plug 2-pin (L)	AC
P5504	QPLGN0174FJZZ	J	Plug 2-pin (F)	AC
P5505	QPLGN0176FJZZ	J	Plug 4-pin (FS)	AD
P5506	QPLGN0175FJZZ	J	Plug 3-pin (FN)	AD
P5507	QPLGN0175FJZZ	J	Plug 3-pin (FF)	AD
P5508	QPLGN0179FJZZ	J	Plug 7-pin (EB)	AD
P5509	QPLGN0184FJZZ	J	Plug 12-pin (EA)	AE
P5510	QPLGN0464TAZZ	J	Plug 4-pin (AZ)	AC
P5511	QPLGN0177FJZZ	J	Plug 5-pin (AS)	AD
SC4001	QSOCN2436TAZZ	J	Socket 24-pin (RP)	AH
SC4002	QSOCN2436TAZZ	J	Socket 24-pin (GP)	AH
SC4003	QSOCN2436TAZZ	J	Socket 24-pin (BP)	AH
SC4004	QSOCZ1404CEZZ	J	Socket 140-pin (CA)	AH
SC5001	QSOCN1236TAZZ	J	Socket 12-pin (KY)	AD
SC5002	QSOCZ3245CEZZ	J	Socket 32-pin	AK
	QCNW-4707CEZZ	J	Connecting Wire	AF

DUNTK9381DE02
INFRARED R/C RECEIVER UNIT

CAPACITOR

C7501	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC

RESISTORS

R7501	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R7502	VRS-CY1JF220J	J	22	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

P7501	QPLGN0378GEZZ	J	Plug 3-pin (RC)	AB
RMC7501	RRMCU0225CEZZ	J	Infrared R/C Receiver	AK

Ref. No.	Part No.	★	Description	Code

DUNTK9382DE02
LED UNIT

INTEGRATED CIRCUITS

IC7301	VHiTDA1517/-1	J	TDA1517/N2	AL

DIODES

D7301	RH-PX0287CEZZ	J	LED, Power Indicator	AC
D7302	RH-PX0287CEZZ	J	LED, Lamp Indicator	AC
D7303	RH-PX0175CEZZ	J	LED, Temp Indicator	AB

CAPACITORS

C7301	VCE9EA1CW475M	J	4.7	16V	Elect. (N.P)	AB
C7302	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C7303	VCEAGA1EW108M	J	1000	25V	Electrolytic	AD
C7304	VCEAGA1EW108M	J	1000	25V	Electrolytic	AD
C7305	VCE9EA1CW475M	J	4.7	16V	Elect. (N.P)	AB
C7306	VCEAGA1EW477M	J	470	25V	Electrolytic	AD
C7307	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C7308	VCEAEA1VW475M	J	4.7	35V	Electrolytic	AB

RESISTORS

R7301	VRD-RA2HD102J	J	1k	1/2W	Carbon	AA
R7302	VRD-RA2HD102J	J	1k	1/2W	Carbon	AA
R7303	VRD-RA2HD102J	J	1k	1/2W	Carbon	AA

SWITCH

S7301	QSW-P0577CEZZ	J	Power Switch	AE

MISCELLANEOUS PARTS

FB7301	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7302	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7303	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7304	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7305	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB7306	RBLN-0037CEZZ	J	Ferrite Bead	AB
P7301	QPLGN0978GEZZ	J	Plug 9-pin (LE)	AC
P7302	QPLGN1078GEZZ	J	Plug 10-pin (SO)	AC
P7303	QPLGN0478GEZZ	J	Plug 4-pin (SP)	AB
	PRDAR1521CEFW	J	Heat Sink	AL
	LHLDZ1814CEZZ	J	Holder x1	AD
	LX-BZ3220CEFD	J	Screw x1	AA

Ref. No.	Part No.	★	Description	Code

RUNTK0571CEZZ
AC-SW UNIT

COILS

⚠L701	95KUKZ0705ZZ	J	Filter ADR-25-06-050T	
⚠L702	95KUKZ0855ZZ	J	Filter ADR2510-030T	

CAPACITORS

C701	95KUGFZ474FE	J	0.47	Film	AH
⚠C702	95KUGFZ224FE	J	0.22	Film	AF
C703	95KUGFZ224FE	J	0.22	Film	AF
⚠C704	95KUGCZ222CX	J	2200P	Ceramic	AD
⚠C705	95KUGCZ222CX	J	2200P	Ceramic	AD

RESISTORS

⚠R701	95KIEEC474CH	J	470k	1/2W	Carbon
⚠R702	95KIEEC474CH	J	470k	1/2W	Carbon
⚠R704	95KUEZ0602ZZ	J	8.2M	1/2W	Solid
⚠R705	95KUEZ0602ZZ	J	8.2M	1/2W	Solid

SWITCH

⚠SW701	95KPFZ0226ZZ	J	Main Power Switch	AM

MISCELLANEOUS PARTS

⚠F701	95KPJCZZ0050	J	Fuse T6.3AH (250V)	
	95KPKZ1167ZZ	J	Base Pin 3-Pin (BA)	AK
	95KPKZ1168ZZ	J	Base Pin 2-Pin (PA)	AD
	95KPKZ1168ZZ	J	Base Pin 2-Pin (PE)	AD

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PC TERMINAL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2001	98MAD8013AR//	J	AD8013AR	AV
IC2002	98MSN74ALS103	J	SN74ALS1034NS	AF
IC2003	98MTL712CPS//	J	TL712CPS	AL
IC2004	98MTL712CPS//	J	TL712CPS	AL
IC2005	98MTL712CPS//	J	TL712CPS	AL
IC2006	98MUPD4721GS/	J	UPD4721GS-GJG	AN
IC2007	RH-iX2955CEZZ	J	I.C.	AT
IC2008	RH-iX2956CEZZ	J	I.C.	AZ
IC2009	98MTL712CPS//	J	TL712CPS	AL
IC2010	98MTL712CPS//	J	TL712CPS	AL
IC2011	98MM52348SP//	J	M52348SP	AR
IC2012	98MSN74LS153M	J	SN74LS153M	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2001	98M2SC2412KQ/	J	2SC2412KQ	AB
Q2002	98M2SA1037AKQ	J	2SA1037	AB
Q2003	98M2SC2412KQ/	J	2SC2412KQ	AB
Q2004	98M2SC2996Y//	J	2SC2996Y	AC
Q2005	98M2SC2996Y//	J	2SC2996Y	AC
Q2006	98M2SC2996Y//	J	2SC2996Y	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D2003	98MMA152WA///	J	Diode Array	AB
D2004	98MMA152WA///	J	Diode Array	AB
D2007	98MMA152WA///	J	Diode Array	AB
D2008	98MMA152WA///	J	Diode Array	AB
D2009	98MMA3120WA//	J	Zener Diode Array 12V	AD
D2011	98MMA3120WA//	J	Zener Diode Array 12V	AD
D2013	98MMA3120WA//	J	Zener Diode Array 12V	AD
D2015	98MMA3056////	J	Zener Diode Array 5.6V	AC
D2016	98MMA3120WA//	J	Zener Diode Array 12V	AD
D2018	98MMA3120WA//	J	Zener Diode Array 12V	AD
D2019	98MMA3120WA//	J	Zener Diode Array 12V	AD
D2020	98MMA152WA///	J	Diode Array	AB
D2021	98MMA152WA///	J	Diode Array	AB
D2022	98MMA152WA///	J	Diode Array	AB
D2023	98MMA152WA///	J	Diode Array	AB
D2024	98MMA152WA///	J	Diode Array	AB
D2025	98MMA3120WA//	J	Zener Diode Array 12V	AD
D2025A	98MMA152WA///	J	Diode Array	AB
D2026	98MMA3120WA//	J	Zener Diode Array 12V	AD

COILS

Ref. No.	Part No.	★	Description	Code
CF2001	98MCSTCC4.00M	J	Ceramic Filter 4.0MHz	AE
L2001	98MLQH1C100K0	J	Coil 10µH	AD
L2002	98MLQH1C100K0	J	Coil 10µH	AD
L2003	98MLQH1C100K0	J	Coil 10µH	AD
L2004	98MLQH1C220K0	J	Coil 22µH	AD
L2005	98MLQH1C220K0	J	Coil 22µH	AD
FB2001	98MBLM21B222B	J	Ferrite Bead	AC
FB2002	98MBLM21B222B	J	Ferrite Bead	AC
FB2003	98MBLM21B222B	J	Ferrite Bead	AC
FB2004	98MBLM21B222B	J	Ferrite Bead	AC
FB2005	98MBLM21B222B	J	Ferrite Bead	AC
FB2006	98MBLM21B222B	J	Ferrite Bead	AC
FB2007	98MBLM21B222B	J	Ferrite Bead	AC
FB2008	98MBLM21B222B	J	Ferrite Bead	AC
FB2009	98MBLM21B222B	J	Ferrite Bead	AC
FB2010	98MBLM21B222B	J	Ferrite Bead	AC
FB2011	98MBLM21B222B	J	Ferrite Bead	AC
FB2012	98MBLM21B222B	J	Ferrite Bead	AC
FB2013	98MBLM21B222B	J	Ferrite Bead	AC
FB2014	98MBLM21B222B	J	Ferrite Bead	AC

CAPACOTPRS

Ref. No.	Part No.	★				Code
C2001	98M16CH/330J5	J	33p	50V	Ceramic	AA
C2002	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2003	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2004	98M16CH/330J5	J	33p	50V	Ceramic	AA
C2005	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2006	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2007	98MUWF1C101M/	J	100	16V	Electrolytic	AE
C2008	98M16CH/330J5	J	33p	50V	Ceramic	AA
C2009	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2010	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2011	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2012	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2013	98MUWF1C101M/	J	100	16V	Electrolytic	AE
C2014	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2015	98MUWX1C100M/	J	10	16V	Electrolytic	AC
C2016	98MUWX1C100M/	J	10	16V	Electrolytic	AC
C2017	98MUWX1H2R2M/	J	2.2	50V	Electrolytic	AC
C2018	98MUWX1H2R2M/	J	2.2	50V	Electrolytic	AC
C2019	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2020	98MUWX1H2R2M/	J	2.2	50V	Electrolytic	AC
C2021	98MUWX1H2R2M/	J	2.2	50V	Electrolytic	AC
C2022	98M16CH/221J5	J	220p	50V	Ceramic	AA
C2023	98M16CH/221J5	J	220p	50V	Ceramic	AA
C2024	98MUWX0J101M/	J	100	6.3V	Electrolytic	AE
C2025	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2026	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2027	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2028	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2029	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2030	98M16W5R103K5	J	0.01	50V	Ceramic	AA
C2031	98M16W5R103K5	J	0.01	50V	Ceramic	AA
C2032	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2033	98M16W5R103K5	J	0.01	50V	Ceramic	AA
C2034	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2035	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2036	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2037	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2038	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2039	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2040	98M16W5R103K5	J	0.01	50V	Ceramic	AA
C2041	98M16W5R103K5	J	0.01	50V	Ceramic	AA
C2042	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2043	98M16W5R103K5	J	0.01	50V	Ceramic	AA
C2044	98M16CH/330J5	J	33p	50V	Ceramic	AA
C2045	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB

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PC TERMINAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C2046	98M16CH/330J5	J	33p	50V	Ceramic	AA
C2047	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2048	98MUWX1C100M/	J	10	16V	Electrolytic	AC
C2050	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2052	98MUWX1C100M/	J	10	16V	Electrolytic	AC
C2053	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2056	98MUWX1C100M/	J	10	16V	Electrolytic	AC
C2057	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2060	98MUWX1C101M/	J	100	16V	Electrolytic	AE
C2062	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2063	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2064	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2065	98MUWX1C470M/	J	47	16V	Electrolytic	AC
C2066	98M16Y5V104Z2	J	0.1	25V	Ceramic	AB
C2067	98MUWX1C220MX	J	22	16V	Electrolytic	AC
C2068	98MUWX1C220MX	J	22	16V	Electrolytic	AC
C2069	98MUWX1C220MX	J	22	16V	Electrolytic	AC

RESISTORS

R2001	98MCR32-750JT	J	75	1/4W	Chip	AA
R2002	98MCR32-750JT	J	75	1/4W	Chip	AA
R2003	98MCR32-750JT	J	75	1/4W	Chip	AA
R2004	98MCR16-102JT	J	1K	1/16W	Chip	AA
R2005	98MCR16-392JT	J	3.9k	1/16W	Chip	AA
R2006	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2007	98MCR16-271JT	J	270	1/16W	Chip	AA
R2008	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2009	98MCR16-102JR	J	1k	1/16W	Chip	AA
R2010	98MCR16-392JT	J	3.9k	1/16W	Chip	AA
R2011	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2012	98MCR16-271JT	J	270	1/16W	Chip	AA
R2013	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2014	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2015	98MCR16-392JT	J	3.9k	1/16W	Chip	AA
R2016	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2017	98MCR16-271JT	J	270	1/16W	Chip	AA
R2018	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2019	98MCR16-821JT	J	820	1/16W	Chip	AA
R2019B	98MCR16-821JT	J	820	1/16W	Chip	AA
R2019C	98MCR16-821JT	J	820	1/16W	Chip	AA
R2019D	98MCR16-821JT	J	820	1/16W	Chip	AA
R2022	98MCR16-821JT	J	820	1/16W	Chip	AA
R2023	98MCR16-821JT	J	820	1/16W	Chip	AA
R2026A	98MCR16-750JT	J	75	1/16W	Chip	AA
R2026B	98MCR16-750JT	J	75	1/16W	Chip	AA
R2026C	98MCR16-750JT	J	75	1/16W	Chip	AA
R2028	98MCR16-681JT	J	680	1/16W	Chip	AA
R2029	98MCR16-681JT	J	680	1/16W	Chip	AA
R2030	98MCR16-105JT	J	1M	1/16W	Chip	AA
R2031	98MCR16-105JT	J	1M	1/16W	Chip	AA
R2032	98MCR16-562JT	J	5.6k	1/16W	Chip	AA
R2033	98MCR16-562JT	J	5.6k	1/16W	Chip	AA
R2034	98MCR16-562JT	J	5.6k	1/16W	Chip	AA
R2035	98MCR16-273JT	J	27k	1/16W	Chip	AA
R2036	98MCR16-563JT	J	56k	1/16W	Chip	AA
R2037	98MCR16-562JT	J	5.6k	1/16W	Chip	AA
R2038	98MCR16-273JT	J	27k	1/16W	Chip	AA
R2039	98MCR16-562JT	J	5.6k	1/16W	Chip	AA
R2040	98MCR16-273JT	J	27k	1/16W	Chip	AA
R2041	98MCR16-101JT	J	100	1/16W	Chip	AA
R2042	98MCR16-104JT	J	100k	1/16W	Chip	AA
R2043	98MCR16-101JT	J	100	1/16W	Chip	AA
R2044	98MCR16-104JT	J	100k	1/16W	Chip	AA
R2045	98MCR16-101JT	J	100	1/16W	Chip	AA
R2046	98MCR16-103JT	J	10k	1/16W	Chip	AA
R2047	98MCR16-103JT	J	10k	1/16W	Chip	AA
R2048	98MCR16-122JT	J	1.2k	1/16W	Chip	AA
R2049	98MCR16-122JT	J	1.2k	1/16W	Chip	AA
R2050	98MCR16-122JT	J	1.2k	1/16W	Chip	AA
R2051	98MCR32-750JT	J	75	1/4W	Chip	AA
R2052	98MCR32-750JT	J	75	1/4W	Chip	AA
R2053	98MCR32-750JT	J	75	1/4W	Chip	AA
R2054	98MCR16-271JT	J	270	1/16W	Chip	AA
R2055	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2056	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2057	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2058	98MCR16-392JT	J	3.9k	1/16W	Chip	AA
R2059	98MCR16-271JT	J	270	1/16W	Chip	AA
R2060	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2061	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2062	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2063	98MCR16-392JT	J	3.9k	1/16W	Chip	AA
R2064	98MCR16-223JT	J	22k	1/16W	Chip	AA
R2065	98MCR16-223JT	J	22k	1/16W	Chip	AA
R2066	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2067	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2068	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2069	98MCR16-223JT	J	22k	1/16W	Chip	AA
R2070	98MCR16-223JT	J	22k	1/16W	Chip	AA
R2071	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2072	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2073	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2074	98MCR16-223JT	J	22k	1/16W	Chip	AA
R2075	98MCR16-223JT	J	22k	1/16W	Chip	AA
R2076	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2077	98MCR16-222JT	J	2.2k	1/16W	Chip	AA
R2078	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2083	98MCR16-562JT	J	5.6k	1/16W	Chip	AA
R2085	98MCR16-100JT	J	10	1/16W	Chip	AA
R2087	98MCR16-100JT	J	10	1/16W	Chip	AA
R2088	98MCR16-100JT	J	10	1/16W	Chip	AA
R2090	98MCR16-101JT	J	100	1/16W	Chip	AA
R2091	98MCR16-101JT	J	100	1/16W	Chip	AA
R2092	98MCR16-000JT	J	0	1/16W	Chip	AA
R2093	98MCR16-000JT	J	0	1/16W	Chip	AA
R2094	98MCR16-000JT	J	0	1/16W	Chip	AA
R2095	98MCR16-000JT	J	0	1/16W	Chip	AA
R2096	98MCR16-000JT	J	0	1/16W	Chip	AA
R2099	98MCR16-101JT	J	100	1/16W	Chip	AA
R2100	98MCR16-101JT	J	100	1/16W	Chip	AA
R2102	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2103	98MCR16-102JT	J	1k	1/16W	Chip	AA
R2104	98MCR16-101JT	J	100	1/16W	Chip	AA

Ref. No.	Part No.	★	Description	Code

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PC TERMINAL UNIT (Continued)

R2110	98MCR16-101JT	J	100	1/16W	Chip		AA
R2111	98MCR16-183JT	J	18k	1/16W	Chip		AA
R2113	98MCR16-473JT	J	47k	1/16W	Chip		AA
R2114	98MCR16-473JT	J	47k	1/16W	Chip		AA
R2115	98MCR16-473JT	J	47k	1/16W	Chip		AA

SWITCH

S2001	98MSSSF042-P0	J	Filter Switch	AH

MISCELLANEOUS PARTS

SC2001	98M53307-3091	J	Socket 30-pin (TN)	AG
J2001	98MKES-15S-3A	J	Computer RGB Input Connector (HD-15)	AM
J2002	98MKES-15S-3A	J	Computer RGB Output Connector (HD-15)	AM
J2003	98MLPV8520-05	J	Audio Output Terminal (RCA)	AH
J2004	98MJES-9P3A3F	J	PC Control Connector (D-sub 9-pin)	AL
J2005	98MJES-9P3A3F	J	Mouse Terminal (D-sub 9-pin)	AL
J2006	98MTCS7963-01	J	Mouse Terminal (9-pin mini DIN)	AH
J2008	QTANZ0626CEZZ	J	Computer RGB Input 2: BNC (R, G, B, H-SYNC, V-SYNC)	AT

RUNTK0588CEZZ
VIDEO BOARD UNIT

NOTE: THE LCD projectors for the Australian and NewZealand markets are standard equipped with the video board unit. But this unit is optionally available on those for other destinations.

NTEGRATED CIRCUITS

IC6001	95J58160215001	J	Video Decoder	BL
IC6003	95J0225664	J	74LVT244A	AM
IC6004	95J0225664	J	74LVT244A	AM
IC6005	95J0225664	J	74LVT244A	AM
IC6006	95JR590589	J	Video Switch	AK
IC6008	95J0226951	J	5V Regulator	AM
IC6009	95JR592191	J	3.3V Regulator	AH

TRANSISTORS

Q6001	95J0228981	J	2SC4081	AE
Q6002	95J0228981	J	2SC4081	AE

DIODES

D6001	95J0225821	J	Zener Diode 12V	AC
D6002	95J0225821	J	Zener Diode 12V	AC
D6003	95J0143081	J	Switching Diode MA152WK	AC
D6005	95J0225821	J	Zener Diode 12V	AC
D6006	95J0143081	J	Switching Diode MA152WK	AC
D6007	95J0225821	J	Zener Diode 12V	AC
D6008	95J0225821	J	Zener Diode 12V	AC
D6009	95J0225821	J	Zener Diode 12V	AC
D6010	95J0143081	J	Switching Diode MA152WK	AC
D6011	95J0225821	J	Zener Diode 12V	AC
D6013	95J0225821	J	Zener Diode 12V	AC
D6014	95J0225821	J	Zener Diode 12V	AC

PACKAGED CIRCUIT

X6001	95J0196675	J	Crystal, 26.8MHz	AM

COILS

F6001	95J04160904003	J	Filter	AE
F6002	95J04160904003	J	Filter	AE
F6003	95J04160904003	J	Filter	AE
F6004	95J04160904003	J	Filter	AE
F6005	95J04160904003	J	Filter	AE
F6006	95J04160904003	J	Filter	AE
DL6001	95J04160403001	J	Delay Line	AW
L6001	95J0229450	J	Inductor 22µH	AE
L6003	95J0170993	J	Inductor 10µH	AD
L6004	95J0228858	J	Inductor BLM21A121	AD
L6005	95J0228817	J	Inductor FBM3225	AE
L6006	95J0228817	J	Inductor FBM3225	AE

CAPACITORS

C6001	95J0120576	J	10	16V	Electrolytic	AD
C6002	95J0043471	J	0.01	50V	Chip 2125	AB
C6003	95J0109637	J	0.1	25V	Chip 2125	AC
C6004	95J0109637	J	0.1	25V	Chip 2125	AC
C6005	95J0109637	J	0.1	25V	Chip 2125	AC
C6006	95J0109637	J	0.1	25V	Chip 2125	AC
C6007	95J0229492	J	22	16V	Electrolytic	AE
C6008	95J0032474	J	8p	50V	Chip 2125	AB
C6009	95J0032474	J	8p	50V	Chip 2125	AB
C6010	95J0037044	J	0.001	50V	Chip 2125	AB
C6011	95J0227918	J	15	6.3V	Electrolytic	AG
C6012	95J0109637	J	0.1	25V	Chip 2125	AC
C6013	95J0109637	J	0.1	25V	Chip 2125	AC
C6014	95J0109637	J	0.1	25V	Chip 2125	AC
C6015	95J0109637	J	0.1	25V	Chip 2125	AC
C6017	95J0230219	J	10	10V	Elect (N.P)	AE
C6019	95J0230219	J	10	10V	Elect (N.P)	AE
C6020	95J0109637	J	0.1	25V	Chip 2125	AC
C6021	95J0227918	J	15	6.3V	Electrolytic	AG
C6022	95J0120584	J	22	16V	Electrolytic	AD
C6023	95J0109637	J	0.1	25V	Chip 2125	AC
C6025	95J0109637	J	0.1	25V	Chip 2125	AC
C6026	95J0109637	J	0.1	25V	Chip 2125	AC
C6027	95J0109637	J	0.1	25V	Chip 2125	AC
C6028	95J0109637	J	0.1	25V	Chip 2125	AC
C6030	95J0043471	J	0.01	50V	Chip 2125	AB
C6033	95J0124198	J	47	6.3V	Electrolytic	AE
C6034	95J0109637	J	0.1	25V	Chip 2125	AC
C6035	95J0109637	J	0.1	25V	Chip 2125	AC
C6036	95J0228841	J	100	16V	Electrolytic	AF
C6037	95J0228833	J	330	6.3V	Electrolytic	AF
C6038	95J0120576	J	10	16V	Electrolytic	AD
C6039	95J0109637	J	0.1	25V	Chip 2125	AC
C6040	95J0120576	J	10	16V	Electrolytic	AD
C6041	95J0031633	J	100p	50V	Chip 2125	AC

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VIDEO BOARD UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C6043	95J0109637	J	0.1 25V Chip 2125	AC
C6044	95J0109637	J	0.1 25V Chip 2125	AC
C6045	95J0043471	J	0.01 50V Chip 2125	AB
C6046	95J0120576	J	10 16V Electrolytic	AD
C6047	95J0109637	J	0.1 25V Chip 2125	AC
C6048	95J0120592	J	47 16V Electrolytic	AE
C6049	95J0109637	J	0.1 25V Chip 2125	AC
C6050	95J0109637	J	0.1 25V Chip 2125	AC
C6051	95J0109637	J	0.1 25V Chip 2125	AC

RESISTORS

R6001	95J0054254	J	75 1/10W Chip 2125	AA
R6002	95J0054254	J	75 1/10W Chip 2125	AA
R6003	95J0054254	J	75 1/10W Chip 2125	AA
R6004	95J0055087	J	680k 1/10W Chip 2125	AA
R6006	95J0054890	J	68k 1/10W Chip 2125	AA
R6007	95J0054734	J	15k 1/10W Chip 2125	AA
R6009	95J0054890	J	68k 1/10W Chip 2125	AA
R6010	95J0054734	J	15k 1/10W Chip 2125	AA
R6011	95J0054155	J	22 1/10W Chip 2125	AA
R6012	95J0054155	J	22 1/10W Chip 2125	AA
R6013	95J0054361	J	330 1/10W Chip 2125	AA
R6014	95J0054619	J	4.7k 1/10W Chip 2125	AA
R6018	95J0054692	J	10k 1/10W Chip 2125	AA
R6020	95J0054194	J	Jumper Chip 2125	AC
R6021	95J0228866	J	1 1/2W Chip 5025	AC
R6024	95J0228866	J	1 1/2W Chip 5025	AC
R6025	95J0054194	J	Jumper Chip 2125	AC
R6026	95J0054270	J	100 1/10W Chip 2125	AC
R6027	95J0054270	J	100 1/10W Chip 2125	AC
R6028	95J0054270	J	100 1/10W Chip 2125	AC
R6029	95J0230326	J	270 1/4W Chip 3216	AC
R6030	95J0054254	J	75 1/10W Chip 2125	AA
R6031	95J0054932	J	100k 1/10W Chip 2125	AC
R6032	95J0054270	J	100 1/10W Chip 2125	AC
R6033	95J0054460	J	1k 1/10W Chip 2125	AC
R6034	95J0054270	J	100 1/10W Chip 2125	AC
R6035	95J0054270	J	100 1/10W Chip 2125	AC
R6036	95J0054270	J	100 1/10W Chip 2125	AC
R6037	95J0054194	J	Jumper Chip 2125	AC
R6038	95J0054194	J	Jumper Chip 2125	AC
R6039	95J0228866	J	1 1/2W Chip 5025	AC
R6040	95J0054791	J	27k 1/10W Chip 2125	AC
R6041	95J0054718	J	12k 1/10W Chip 2125	AC
R6042	95J0054395	J	470 1/10W Chip 2125	AC
R6045	95J0054460	J	1k 1/10W Chip 2125	AC

CONNECTORS

CON6003	95J0229518	J	Audio Input (R)	AM
CON6004	95J0229500	J	S-Video Input	AL
CON6005	95J0225706	J	Connector 30-Pin (VS)	AN
CON6006	95J195999A	J	Video Output: BNC	AS

MISCELLANEOUS PARTS

	95J195987A	J	Shild Plate	AM

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POWER/BALLAST UNIT

INTEGRATED CIRCUITS

IC101	95KUCZ0091ZZ	J	M5T494P	AK
IC102	95KUCC0015AZ	J	M5239L	AF
IC701	95KUCC0018AK	J	UPC1093J	AF
IC702	95KUCB0077AZ	J	PQ30RV11	AH
IC703	95KUCC0015AZ	J	M5239L	AF
IC704	95KUCB0095CZ	J	PQ12RF11	AH
IC705	95KUCB0077AZ	J	PQ30RV11	AH

TRANSISTORS

Q102	95KUAY0046AK	J	2SB736 (Chip)	AC
Q103	95KUAY0012AK	J	2SA812 (Chip)	AB
Q104	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q105	95KUAY0012AK	J	2SA812 (Chip)	AB
Q106	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q107	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q108	95KUAY0013AK	J	2SC1623 (Chip)	AB
Q701	95KUAG0161CZ	J	PS5KM-18A	AM
Q702	95KUAC0056BK	J	2SC2002L	AD
Q703	95KUAC0152DK	J	2SC2785HF	AC
Q704	95KUAC0152DK	J	2SC2785HF	AC
Q707	95KUAC0027CK	J	2SC2655	AD
Q1701	95KUAG0099AZ	J	FET 2SK1938	AV
Q1702	95KUAG0099AZ	J	FET 2SK1938	AV
Q1703	95KUAA0083AK	J	2SA1680	AE
Q1704	95KUAA0083AK	J	2SA1680	AE
Q1705	95KUAC0270BZ	J	2SC3623	AD
Q1706	95KUAC0234AZ	J	2SC3866	AH
Q1707	95KUAB0010CZ	J	2SB744	AF
Q1708	95KUAC0214AK	J	2SC4408	AD

DIODES

D101	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D102	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D103	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D104	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D105	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D106	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
⚠ D701	95KUBB0206EZ	J	Diode Stack D10XB60H	AN
D702	95KUBC0248AK	J	Diode 05NU42	AC
D703	95KUBC0248AK	J	Diode 05NU42	AC
D704	95KUBC0125AK	J	Diode ERA15-01	AB
D705	95KUBDAK270C	J	Zener Diode RD27ESAB	AB
D706	95KUBC0125DK	J	Diode ERA15-06	AB
D707	95KUBA0005KZ	J	Diode 1SS55	AB
D708	95KUBA0005KZ	J	Diode 1SS55	AB
D709	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D710	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D711	95KUBDAK330C	J	Zener Diode RD33ESAB2	AB
D712	95KUBDAK270B	J	Zener Diode RD27ESAB1	AC
D713	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D714	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D715	95KUBC0264BE	J	Diode ERB32-02	AD

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POWER/BALLAST UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
D716	95KUBB0208SZ	J	Diode Stack YG902C2R	AH
D717	95KUBC0242DZ	J	Diode F10P06Q	AM
D718	95KUBC0133AF	J	Diode ERC84-009E	AK
D719	95KUBC0242DZ	J	Diode F10P06Q	AM
D720	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D721	95KUBB0208SZ	J	Diode Stack YG902C2R	AH
D722	95KUBA0005KZ	J	Diode 1SS55	AB
D723	95KUBA0005KZ	J	Diode 1SS55	AB
D724	95KUBY0020AK	J	Diode (Chip) 1SS355	AC
D726	95KUBA0005KZ	J	Diode 1SS55	AB
D1701	95KUBC0221AK	J	Diode ERA18-02	AC
D1702	95KUBC0221AK	J	Diode ERA18-02	AC
D1703	95KUBC0190BK	J	Diode ERC38-05	AG
D1704	95KUBC0125DK	J	Diode ERA15-06	AB
D1705	95KUBA0005KZ	J	Diode 1SS55	AB
D1706	95KUBC0248AK	J	Diode 05NU42	AC
D1707	95KUBC0318AK	J	Diode 1R5NH41	AF
D1708	95KUBC0323AK	J	Diode 05NH45	AE
D1709	95KUBA0005KZ	J	Diode 1SS55	AB
D1710	95KUBC0221AK	J	Diode ERA18-02	AC
D1711	95KUBC0284BZ	J	Diode YG912S6	AP
DS1701	95KUBB0229AZ	J	Diode Stack PA905C6	AS
ZD103	95KUBDAK6R2C	J	Zener Diode RD6.2ESAB	AB
ZD104	95KUBDAK6R2C	J	Zener Diode RD6.2ESAB	AB
ZD105	95KUBDAK6R2C	J	Zener Diode RD6.2ESAB	AB
ZD1701	95KUBDAE120D	J	Zener Diode RD12FB	AE
ZD1702	95KUBDAE120D	J	Zener Diode RD12FB	AE
ZD1703	95KUBDAK300C	J	Zener Diode RD30ESAB	AB
ZD1704	95KUBDAK100C	J	Zener Diode RD10ESAB	AB
ZD1705	95KUBDAK180C	J	Zener Diode RD18ESAB	AB
ZD1706	95KUBDAK180C	J	Zener Diode RD18ESAB	AB
THY101	95KUDA0078AK	J	Thyristor CR02AM-8	AF
THY701	95KUDA0084ZZ	J	Thyristor CR04AM-12	AG
THY1701	95KUDA0083ZZ	J	Thyristor SF8JZ47	AM
THY1702	95KUDA0083ZZ	J	Thyristor SF8JZ47	AM

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ PC701	95KUDC0163EZ	J	Photo Coupler PC123	AH
⚠ PC1701	95KUDC0163EZ	J	Photo Coupler PC123	AH
⚠ PC1702	95KUDC0163EZ	J	Photo Coupler PC123	AH

COIL AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
L704	95KUKZ0450ZK	J	Coil LHL08TB150K	AE
L705	95KUKZ0714ZK	J	Coil LHL08TB8R2M	AE
L707	95KUKZ0432ZZ	J	Coil LHL08TB220K	AE
L709	95KKUZZ0156ZZ	J	Coil RS208	AH
L1701	95K830295025	J	Trans.CHT072	BB
⚠ T701	95K830295027	J	Trans.PTTN90	BB
T1701	95K829195004	J	Trans.DTTX03	BB
⚠ T1702	95K748295013	J	Trans.J6B21-9001	

CONTROLS

Ref. No.	Part No.	★	Description	Code
R735	95KUFBA472DB	J	4.7k Output Adj.	AB
VR1701	95KUFBA103DB	J	10k Power Adj. (Rough)	AC
VR1702	95KUFBA102DB	J	1k Power Adj. (Fine)	AB

CAPACITORS

Ref. No.	Part No.	★			Description	Code
C101	95KUGXAED104	J	0.1	25V	Ceramic (Chip)	AB
C102	95KUGXAFC105	J	1	16V	Ceramic (Chip)	AD
C103	95KUGXAFF104	J	0.1	50V	Ceramic (Chip)	AB
C104	95KUGXALF102	J	1000p	50V	Ceramic (Chip)	AC
C105	95KUGXAED104	J	0.1	25V	Ceramic (Chip)	AB
C106	95KUGXAEF103	J	0.01	50V	Ceramic (Chip)	AB
C107	95KUGXAFC105	J	1	16V	Ceramic (Chip)	AD
C108	95KUGAE100KL	J	10	35V	Electrolytic	AE
C109	95KUGXAED104	J	0.1	25V	Ceramic (Chip)	AB
C707	95KUGCZ222CX	J	2200p	250V	Ceramic	AD
C708	95KUGCZ222CX	J	2200p	250V	Ceramic	AD
C709	95KUGBM152DE	J	1500	250V	Electrolytic	
C710	95KUGBM152DE	J	1500	250V	Electrolytic	
C711	95KUGXFXT103	J	0.01	400V	Chip	AD
C714	95KUGCU222BR	J	2200p	1kV	Ceramic	AE
C715	95KUGFF223BQ	J	0.022	50V	Film	AB
C716	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C717	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C718	95KUGXAEF102	J	1000p	50V	Ceramic (Chip)	AA
C719	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C720	95KUGFF473BQ	J	0.047	50V	Film	AB
C721	95KUGAF010RV	J	1	50V	Electrolytic	AC
C722	95KUGAE181TR	J	180	35V	Electrolytic	AD
⚠ C723	95KUGCZ222CX	J	2200p	250V	Ceramic	AD
⚠ C724	95KUGCZ222CX	J	2200p	250V	Ceramic	AD
C725	95KUGCS331AA	J	330p	500V	Ceramic	AC
C726	95KUGAD102TS	J	1000	25V	Electrolytic	AG
C727	95KUGAD101RV	J	100	25V	Electrolytic	AD
C728	95KUGCS331AA	J	330p	500V	Ceramic	AC
C729	95KUGAB182TS	J	1500	10V	Electrolytic	AF
C730	95KUGAB182TS	J	1500	10V	Electrolytic	AF
C731	95KUGXAEF473	J	0.047	50V	Ceramic (Chip)	AB
C732	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C733	95KUGAB221RV	J	220	10V	Electrolytic	AD
C734	95KUGCS331AA	J	330p	500V	Ceramic	AC
C735	95KUGAC680TS	J	680	16V	Electrolytic	AF
C736	95KUGAC101RV	J	100	16V	Electrolytic	AD
C737	95KUGCS331AA	J	330p	500V	Ceramic	AC
C738	95KUGAD152TS	J	1500	25V	Electrolytic	AG
C739	95KUGAB221RV	J	220	10V	Electrolytic	AD
C741	95KUGCS331AA	J	330p	500V	Ceramic	AC
C742	95KUGAD561TS	J	560	25V	Electrolytic	AF
C743	95KUGAD102JF	J	1000	25V	Electrolytic	AF
C744	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C745	95KUGXEWD104	J	0.1	50V	Ceramic (Chip)	AD
C746	95KUGAD101RX	J	100	25V	Electrolytic	AD
C747	95KUGAB101RY	J	100	10V	Electrolytic	AD
C748	95KUGCS102AR	J	1000p	1kV	Ceramic	AD
C1701	95KUGFQ104FC	J	0.1	400V	Film	AF
C1702	95KUGCU681AK	J	680p	1kV	Ceramic	AD
C1703	95KUGFQ225HA	J	0.22	400V	Film	AK
C1704	95KUGCU102BV	J	1000p	1kV	Ceramic	AC

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POWER/BALLAST UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C1705	95KUGZ0995ZZ	J	0.22	400V	Film	AH
C1706	95KUGZ0995ZZ	J	0.22	400V	Film	AH
C1707	95KUGFL103HQ	J	0.01	200V	Film	AD
C1708	95KUGAE101PB	J	100	35V	Electrolytic	AD
C1709	95KUGAD470PB	J	47	25V	Electrolytic	AD
C1710	95KUGAE101PB	J	100	35V	Electrolytic	AD
C1711	95KUGAE560TR	J	56	35V	Electrolytic	AD
C1745	95KUGFQ334FC	J	0.33	400V	Film	AG
C1746	95KUGFQ334FC	J	0.33	400V	Ceramic	AG
C1747	95KUGCU472BM	J	4700p	1kV	Ceramic	AC

RESISTORS

R102	95KUEEC102CH	J	1k	1/2W	Carbon	AB
R103	95KUEXCAS102	J	1k	1/10W	Chip	AB
R104	95KUEXCAS332	J	4.7k	1/10W	Chip	AB
R105	95KUEXCAS393	J	39k	1/10W	Chip	AB
R106	95KUEXCAS333	J	33k	1/10W	Chip	AB
R107	95KUEXCAS103	J	10k	1/10W	Chip	AB
R108	95KUEXCAS103	J	10k	1/10W	Chip	AB
R109	95KUEXCAS103	J	10k	1/10W	Chip	AB
R110	95KUEXCAS272	J	2.7k	1/10W	Chip	AB
R111	95KUEXCAS331	J	330	1/10W	Chip	AB
R112	95KUEXCAS105	J	1M	1/10W	Chip	AB
R114	95KUEYAT2552	J	20k	1/10W	Chip	
R118	95KUEXCAS272	J	2.7k	1/10W	Chip	AB
R119	95KUEXCAU221	J	220	1/10W	Chip	AB
R120	95KUEXCAS102	J	1k	1/10W	Chip	AB
R121	95KUEEB472DC	J	4.7k	1/4W	Carbon	AB
R122	95KUEXCAS103	J	10k	1/10W	Chip	AB
R123	95KUEXCAS103	J	10k	1/10W	Chip	AB
R124	95KUEEB222DC	J	2.2k	1/4W	Carbon	AB
R128	95KUEXCAS102	J	1k	1/10W	Chip	AB
R129	95KUEXCAS222	J	2.2k	1/10W	Chip	AB
R130	95KUEXCAS103	J	10k	1/10W	Chip	AB
R131	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R132	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R133	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R134	95KUEXCAS103	J	10k	1/10W	Chip	AB
R135	95KUEXCAS103	J	10k	1/10W	Chip	AB
R136	95KUEXCAS102	J	1k	1/10W	Chip	AB
R137	95KUEXCAS103	J	10k	1/10W	Chip	AB
R138	95KUEXCAS223	J	22k	1/10W	Chip	AB
R139	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R140	95KUEXCAU682	J	6.8k	1/10W	Chip	AB
R141	95KUEXCAU471	J	470	1/10W	Chip	AB
R142	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R143	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R144	95KUEXCAS103	J	10k	1/10W	Chip	AB
R703	95KUEZ0259ZZ	J	Thermistor	3D-22		AP
R706	95KUEEC224CH	J	220k	1/2W	Carbon	AB
R707	95KUEEC224CH	J	220k	1/2W	Carbon	AB
R708	95KUEFD273CF	J	27k	1W	Metal Film	AC
R709	95KUEFD273CF	J	27k	1W	Metal Film	AC
R710	95KUEFD273CF	J	27k	1W	Metal Film	AC
R711	95KUEFD104BU	J	100k	1W	Metal Film	AC
R712	95KUEFD104BU	J	100k	1W	Metal Film	AC
R713	95KUEFF154BU	J	150k	2W	Metal Film	AD
R715	95KUEFDR33DB	J	0.33	1W	Metal Film	AC
R716	95KUEXDAK183	J	18k	1/8W	Chip	AB
R717	95KUEEB471DC	J	470	1/4W	Carbon	
R718	95KUEXDAK104	J	100k	1/8W	Chip	AB
R719	95KUEEB181DC	J	180	1/4W	Carbon	AB
R720	95KUES3901CS	J	3.9k	1/4W	Precision Res	AB
R721	95KUEXCAS103	J	10k	1/4W	Chip	AB
R722	95KUEXCAS102	J	1k	1/10W	Chip	AB
R723	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R724	95KUEEB331DC	J	330	1/4W	Carbon	AB
R725	95KUEEB101DC	J	100	1/4W	Carbon	AB
R726	95KUEFC470CD	J	47	1/2W	Metal Film	AB
R727	95KUEBD1R0AF	J	1	1W	Fuse Resistor	AE
R728	95KUEEC122CH	J	1.2k	1/2W	Carbon	AB
R729	95KUEEB473DC	J	47k	1/4W	Carbon	AB
R730	95KUEEC102CH	J	1k	1/2W	Carbon	AB
R731	95KUEXDAK221	J	220	1/8W	Chip	AB
R732	95KUEXDAK221	J	220	1/8W	Chip	AB
R733	95KUEXCAS472	J	4.7k	1/10W	Chip	AB
R734	95KUEXCAS122	J	1.2k	1/10W	Chip	AB
R736	95KUEXCAS222	J	2.2k	1/10W	Chip	AB
R737	95KUEBBR10AN	J	0.1	1/4W	Fuse Resistor	AC
R738	95KUEEC561CH	J	560	1/2W	Carbon	AB
R739	95KUEYAQ4701	J	4.7k	1/10W	Precision Res	AC
R740	95KUEYAQ1501	J	1.5k	1/10W	Precision Res	AC
R741	95KUEEC222CH	J	2.2k	1/2W	Carbon	AB
R742	95KUEXCAS102	J	1k	1/10W	Chip	AB
R743	95KUEEC122CH	J	1.2k	1/2W	Carbon	AB
R745	95KUEFER47CW	J	0.47	2W	Metal Film	AC
R746	95KUEXCAS102	J	1k	1/10W	Chip	AB
R748	95KUEEC152CH	J	1.5k	1/2W	Carbon	AB
R749	95KUEXCAS392	J	3.9k	1/10W	Chip	AB
R750	95KUEXCAS103	J	10k	1/10W	Chip	AB
R752	95KUEXCAS223	J	22k	1/10W	Chip	AB
R753	95KUEZ0486ZZ	J	Thermistor			AH
R754	95KUEXCAS471	J	470	1/10W	Chip	AB
R755	95KUEXCAS822	J	8.2k	1/10W	Chip	AB
R756	95KUEXCAS102	J	1k	1/10W	Chip	AB
R757	95KUEXCAS273	J	27k	1/10W	Chip	AC
R758	95KUEXCAS123	J	12k	1/10W	Chip	AB
R759	95KUEXCAS103	J	10k	1/10W	Chip	AB
R760	95KUEBCR10AG	J	8.2	2W	Fuse Resistor	
R761	95KUEXCAS102	J	1k	1/10W	Chip	AB
R762	95KUEXCAS103	J	10k	1/10W	Chip	AB
R763	95KUEXCAS103	J	10k	1/10W	Chip	AB
R764	95KUEYAW3901	J	3.9k	1/10W	Precision Res	AC
R765	95KUEYAQ1501	J	1.5k	1/10W	Precision Res	AC
R1701	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1702	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1703	95KUEED220BH	J	22	1W	Metal Film	AB
R1704	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1705	95KUEEB102DC	J	1k	1/4W	Carbon	AC

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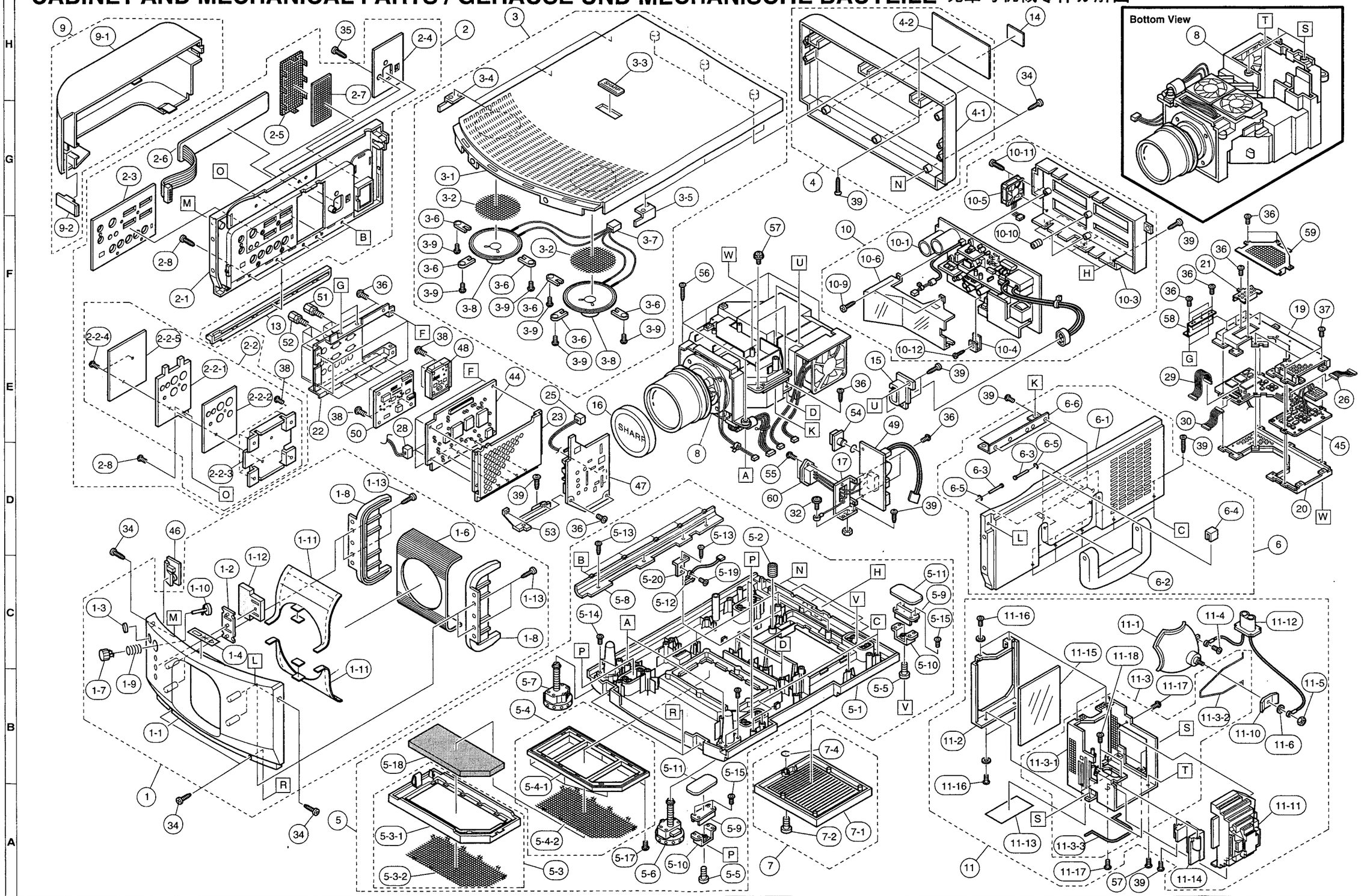
Ref. No.	Part No.	★	Description			Code
R1706	95KUEFD220BH	J	22	1W	Metal Film	AB
R1707	95KUEGER10AS	J	0.1	2W	Cement	AD
R1708	95KUEGER10AS	J	0.1	2W	Cement	AD
R1709	95KUEGER10AS	J	0.1	2W	Cement	AD
R1710	95KUEFE223CA	J	22k	2W	Metal Film	AD
R1711	95KUEFE223CA	J	22k	2W	Metal Film	AD
R1712	95KUEFE183CA	J	18k	2W	Metal Film	AD
R1713	95KUEFE183CA	J	18k	2W	Metal Film	AD
R1714	95KUES6803CQ	J	680k	1/2W	Precision Res	AD
R1715	95KUES2703CQ	J	270k	1/2W	Precision Res	AD
R1716	95KUES4702CQ	J	47k	1/2W	Precision Res	AC
R1717	95KUEEB331DC	J	330	1/4W	Carbon	AB
R1718	95KUEEB333DC	J	33k	1/4W	Carbon	AB
R1719	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1720	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1721	95KUEEB271DC	J	270	1/4W	Carbon	AB
R1722	95KUEEC332CH	J	3.3k	1/2W	Carbon	AB
R1723	95KUEFD333BH	J	33k	1W	Metal Film	AC
R1724	95KUEEB103DC	J	10k	1/4W	Carbon	AB
R1725	95KUEEB820DC	J	82	1/4W	Carbon	AB
R1726	95KUEEB102DC	J	1k	1/4W	Carbon	AC
R1727	95KUEEB562DC	J	5.6k	1/4W	Carbon	AB
R1728	95KUEEC473CH	J	47k	1/2W	Carbon	AB
R1729	95KUEEC473CH	J	47k	1/2W	Carbon	AB
R1730	95KUEEC223CH	J	22k	1/2W	Carbon	AB
R1731	95KUEEC183CH	J	18k	1/2W	Carbon	AB
R1732	95KUEEC273CH	J	27k	1/2W	Carbon	AB
R1733	95KUEEC183CH	J	18k	1/2W	Carbon	AB
R1734	95KUEEB1R0AY	J	1	1/4W	Fuse Resistor	AD
R1735	95KUEEB471CX	J	470	1/4W	Carbon	AC

MISCELLANEOUS PARTS

ICP701	95KPJCTR5001	J	Fuse 5A 125V		AF
ICP702	95KPJCTR5001	J	Fuse 5A 125V		AF
F1701	95KPJT0160ZZ	J	Fuse P130A		AF
FB701	95KUKY0014AZ	J	Ferrite Bead (Chip)		AD
FB1701	95KYKZ0334ZZ	J	Ferrite Bead		AB
FB1702	95KUKZ0828ZZ	J	Ferrite Bead		AC
FB1703	95KUKZ0828ZZ	J	Ferrite Bead		AC
FB1704	95KUXZ0334ZZ	J	Ferrite Bead		AB
FB1705	95KUKZ0828ZZ	J	Ferrite Bead		AC
FB1706	95KUKZ0828ZZ	J	Ferrite Bead		AC
FB1709	95KBFZ89250Z	J	Ferrite Bead		AB
FB1710	95KBFZ89250Z	J	Ferrite Bead		AB
FB1711	95KBFZ89250Z	J	Ferrite Bead		AB
FB1712	95KBFZ89250Z	J	Ferrite Bead		AB
FB1713	95KBFZ89250Z	J	Ferrite Bead		AB
FB1714	95KBFZ89250Z	J	Ferrite Bead		AB
FB1716	95KBFZ89250Z	J	Ferrite Bead		AB
FB1717	95KBFZ89250Z	J	Ferrite Bead		AB
FH1	95KPZZ0668ZZ	J	Fuse Holder		AB
⚠ RY701	95KPHZ0132ZZ	J	Relay G5PE-1 (DC12V)		AN
CN101A	95KPKZ2526ZZ	J	Connector 7-pin		AD
CN101B	95KPEZ0047ZZ	J	Connector 7-pin		AD
CN102A	95KPKZ2526ZZ	J	Connector 7-pin		AD
CN102B	95KPEZ0047ZZ	J	Connector 7-pin		AD
CN701	95KECB7761ZZ	J	Base Pin		AU
CN702	QCNW-4764CEZZ	J	Connecting Wire		AK
CN703	QCNW-4708CEZZ	J	Connecting Wire		AN
CN704	QCNW-4786CEZZ	J	Connecting Wire		AF
MT1	95KLRZ5820ZR	J	Heat Sink		AF
MT2	95KLRZ5820ZR	J	Heat Sink		AF
MT3	95KLRZ6110ZP	J	Heat Sink		AK
MT4	95KLRZ6324ZP	J	Heat Sink		AE
MT5	95KLR26338ZR	J	Heat Sink		AR
MT6	LANGQ1322CEFW	J	Angle		AH
MT7	LANGH0138CEFW	J	Angle		AD
MT8	95KLRH5078ZN	J	Heat Sink		AG
MT9	95KLRZ6342ZR	J	Heat Sink		AH
MD1	95KZBA0263ZZ	J	Holder		
FA1	95KZBA0265ZZ	J	Fan		

CABINET AND MECHANICAL PARTS / GEHÄUSE UND MECHANISCHE BAUTEILE 壳罩与机械零件分解图



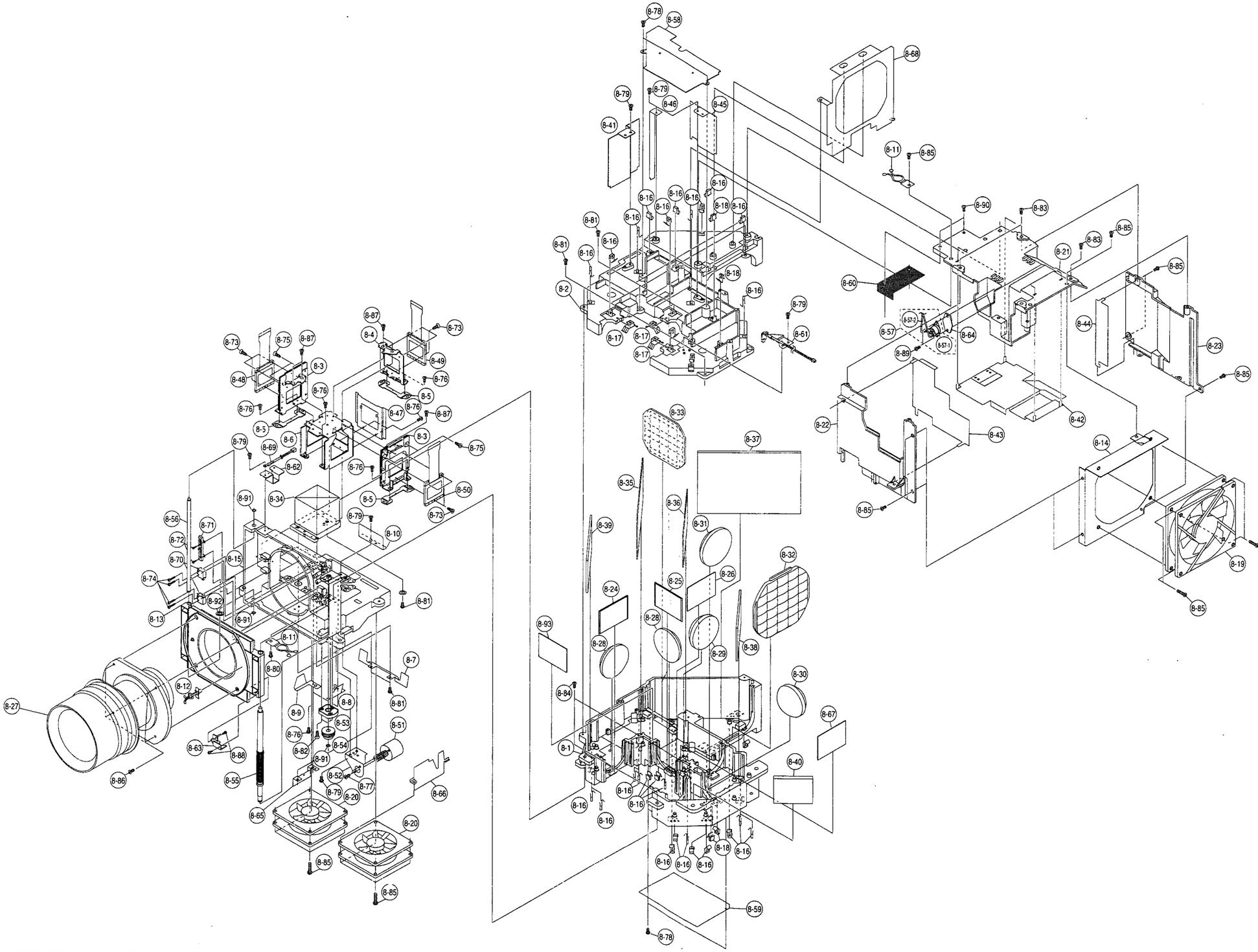
CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	CBDYF1083CE01	J	Front Cabinet Ass'y	
1-1	*Not Available*	–	Front Cabinet	—
1-2	GCOVA1691CEKA	J	LED Cover	AD
1-3	GCOVA1692CEKA	J	R/C Cover	AD
1-4	HiNDP4637CESJ	J	Indicator	
1-6	GCOVH1298CEKA	J	Cover	AL
1-7	JBTN-1958CEKA	J	Button, Power	
1-8	LHLDZ2034CEZZ	J	Holder	AH
1-9	MSPRC0146CEFW	J	Spring, Power Button	AC
1-10	PGiDM0017CE00	J	Guide, Button	AB
1-11	PCOVM9019CEZZ	J	Lens Shift Cover Ass'y	
1-12	PMLT-0308CEZZ	J	Molt	
1-13	XEBSD40P12000	J	Screw, x4	
2	CBDYS1079CE01	J	Left-Side Cabinet Ass'y	
2-1	*Not Available*	–	Left-Side Cabinet	—
2-2	CCOVA1693CE02	J	Video Terminal Cover Ass'y (For U.K. and Europe)	AM
2-2	CCOVA1693CE03	J	Video Terminal Cover Ass'y (For Australia and NewZealand)	
2-2-1	*Not Available*	–	Video Terminal Cover	—
2-2-2	PSLDM4423CEFW	J	Shield	
2-2-3	PSLDM4415CEFW	J	Video Terminall Shield Holder	
2-2-4	LX-BZ3377CESA	J	Screw, x2	
2-2-5	HiNDP4943CESA	J	Video Terminal Indication Sheet (For U.K and Europe)	
2-2-5	HiNDP4905CESA	J	Video Terminal Indication Sheet (For Australia and NewZealand)	
2-3	HiNDP4906CESA	J	Terminal Indication Plate	
2-4	HiNDP4974CESA	J	AC Switch Indication Plate	
2-5	HPNC-0421CESA	J	Side Punching Plate	
2-6	QSW-Z0054CEZZ	J	Membrane Switch	BC
2-7	PFiLD0061CEZZ	J	Filter	
2-8	XBPSD30P06000	J	Screw	
3	CBDYT1080CE01	J	Top Cabinet Ass'y (For Europe)	
3	CBDYT1080CE02	J	Top Cabinet Ass'y (For U.K.)	
3	CBDYT1080CE03	J	Top Cabinet Ass'y (For Australia and NewZealand)	
3-1	*Not Available*	–	Top Cabinet	—
3-2	GNETC0106CEZZ	J	Speaker Net	AD
3-3	HBDGB3107CESA	J	SHARP Badge	AL
3-4	LHLDZ2037CEKZ	J	Holder (L)	AD
3-5	LHLDZ2038CEKZ	J	Holder (R)	AD
3-6	LANGS0116CEFW	J	Angle x6	AD
3-7	QCNW-4704CEZZ	J	Connecting Wire	AK
3-8	VSP0080PBK48A	J	Speaker, x2	AN
3-9	XEPSD30P08000	J	Screw, x6	AA
4	CBDYR1068CE01	J	Rear Cabinet Ass'y (For Europe)	
4	CBDYR1068CE02	J	Rear Cabinet Ass'y (For U.K.)	
4	CBDYR1068CE03	J	Rear Cabinet Ass'y (For Australia and NewZealand)	
4-1	*Not Available*	–	Rear Cabinet	—
4-2	HiNDP4937CESA	J	Model Label (For Europe)	
4-2	HiNDP4938CESA	J	Model Label (For U.K.)	
4-2	HiNDP4939CESA	J	Model Label (For Australia and NewZealand)	
5	CBDYU1075CE01	J	Bottom Cabinet Ass'y	BC
5-1	*Not Available*	–	Bottom Cabinet	—
5-2	LX-NZ3102CEFW	J	Nut	AB
5-3	CCOVA1695CE02	J	Intake Cover Ass'y	
5-3-1	*Not Available*	–	Intake Cover	—
5-3-2	HPNC-0419CESA	J	Intake Cover Punching	
5-4	CHLDT1015CE02	J	Filter Inner Frame Ass'y	
5-4-1	LHLDT1015CEKA	J	Filter Inner Frame	
5-4-2	HPNC-0419CE00	J	Punching net	
5-5	GCOVH1302CEKA	J	Screw Cover, x4	
5-6	GLEGP1017CEKB	J	Adjuster-Right	
5-7	GLEGP3017CEKB	J	Adjuster-Left	
5-8	LANGF2133CEFW	J	Fixing Angle, x1	AK
5-9	LANGF9514CEFW	J	Fixing Angle, x4	AD
5-10	LANGK0644CEFD	J	Fixing Angle, x4	
5-11	PCOVW1044CEKZ	J	Cover, x4	
5-12	QCNW-4706CEZZ	J	Connecting Wire	AN
5-13	XEBSD30P10000	J	Screw, x6	AA
5-14	XEBSD30P14000	J	Screw, x6	AA
5-15	XEBSD40P12000	J	Screw, x12	AA
5-17	XEBSF30P10000	J	Screw, x6	
5-18	PFiLD0055CEZZ	J	Intake Air Filter	
5-19	XBPSD26P06000	J	Leaf Switch, x2	
5-20	LANGQ1321CEFW	J	Leaf Switch Angle, x2	
6	DBDYS1078CE01	J	Right-Side Cabinet Ass'y	AZ
6-1	*Not Available*	–	Right-Side Cabinet	—
6-2	JHNDA1028CESC	J	Carrying Handle	
6-3	NSFTH0014CEFW	J	Handle Shaft x2	AD
6-4	PSPAT0013CEZZ	J	Spacer x2	AC
6-5	XRESJ30-06000	J	Screw x2	AA
6-6	LANGK0641CEFW	J	Angle	AG
7	CCOVA1694CE02	J	Lamp Cage Cover Ass'y	AR
7-1	*Not Available*	–	Lamp Cage Cover	—
7-2	LX-BZ3274CESH	J	Screw	
7-3	*Not Used*	–		—
7-4	XRESJ30-06000	J	Screw	AA
8	*Refer to Optics Mechanism Parts*			
9	CCOVA1690CE02	J	PC/AV Terminal Cover Ass'y	AX
9-1	*Not Available*	–	Terminal Cover Ass'y	—
9-2	LHLDZ2047CEKA	J	Holder	

CABINET AND MECHANICAL PARTS (Continued)

Ref. No.	Part No.	★	Description	Code
10	CDENC0232CE01	J	Power/Ballast Unit Ass'y	
10-1	*Not Available*	–	Power/Ballast Unit	—
10-2	*Not Used*	–		—
10-3	LHLDZ2035CEKZ	J	Holder	
10-4	LANGH0138CEFW	J	Angle	
10-5	NFANR0075CEZZ	J	Cooling Fan	AT
10-6	PDUC-0067CEKZ	J	Duct Cover	
10-9	XBSSD30P08000	J	Screw, x2	AA
10-10	XEBSF30P08000	J	Screw, x2	AA
10-11	XEPSD40P35000	J	Screw, x2	AA
10-12	XJBSD30P05000	J	Screw, x1	AA
⚠11	BQC-XGSV1E//1	J	Metal-Halide Lamp Unit (Lamp/Cage Module)	
⚠11-1	CLMPF0046DE01	J	Lamp/Mirror Ass'y	
11-2	LANGG1147CEFW	J	Filter Angle	AC
11-3	CCASZ3015CE01	J	Lamp Case Ass'y	
11-3-1	PCASZ3015CEFW	J	Lamp Case-Front	AT
11-3-2	MSPRK0053CEFW	J	Spring	AE
11-3-3	LHLDZ3053CEFW	J	Handle	AD
11-4	LX-BZ3270CEFN	J	Screw	AA
11-5	LX-NZ3108CEFN	J	Nut	AA
11-6	LX-WZ3102CEFN	J	Washer	AA
11-10	PRDAR1499CEFW	J	Heat Sink	AC
11-11	PSLDP1006CE00	J	Shield	
11-12	QPLGN0309FJZZ	J	Plug	AP
11-13	TLABZ0626CEZZ	J	Label	AC
11-14	LHLDZ2042CEKZ	J	Lamp Socket Holder	
11-15	PFiLW0175CEZZ	J	Glass	
11-16	LX-BZ3365CEFD	J	Screw, x4	
11-17	XEBSD40P10000	J	Screw, x2	
11-18	XEBSD30P08000	J	Screw, x2	
13	GCOVA1696CEKA	J	Cover	
14	HiNDP4929CEZZ	J	Indicator (For Europe)	AD
14	HiNDP4930CEZZ	J	Indicator (For U.K.)	
14	HiNDP4931CEZZ	J	Indicator (For Australia and NewZealand)	
15	LHLDZ2043CEKZ	J	Holder	
16	PCAPH1049CESA	J	Lens Cap	
17	LANGQ1322CEFW	J	Fixing Angle	AH
19	PSLDM4411CEFW	J	Shield for K9346DE	AR
20	PSLDM4412CEFW	J	Shield for K9346DE	AQ
21	PSLDM4420CEFW	J	Shield for K9346DE	AF
22	PSLDM4413CEFW	J	Shield for K9345DE	AP
23	PSLDM4414CEFW	J	Shield for K9345DE	AP
25	QCNW-4705CEZZ	J	Connecting Wire	AF
26	QCNW-4708CEZZ	J	Connecting Wire	AN
28	QCNW-4710CEZZ	J	Connecting Wire	AG
29	QCNW-4711CEZZ	J	Connecting Wire	AK
30	QCNW-4712CEZZ	J	Connecting Wire	AK
32	LX-BZ3220CEFD	J	Screw, x1	AA
34	LX-HZ3098CESA	J	Screw, x9	
35	LX-HZ3099CESA	J	Screw, x1	
36	XBBSD30P06000	J	Screw, x21	AA
37	XBBSD30P08000	J	Screw, x6	AA
38	XBPSD20P04000	J	Screw, x16	AA
39	XEBSD40P12000	J	Screw, x21	AA
44	*Not Available*	–	Signal Unit	—
45	*Not Available*	–	Output Unit	—
46	*Not Available*	–	Infrared R/C Receiver Unit	—
47	*Not Available*	–	LED Unit	—
48	*Not Available*	–	Video Board Unit (For Australia and NewZealand)	—
49	*Not Available*	–	AC Inlet/Main Power Switch Unit	—
50	*Not Available*	–	PC Terminal Unit	—
51	NSFTZ0135CEFW	J	Shaft (9P), x4	
52	NSFTZ0134CEFW	J	Shaft (15P), x4	
53	LANGQ1323CEFW	J	Angle	
54	JKNBP1065CESB	J	Button, Main Power Switch	
55	XBSSD30P06000	J	Screw, x2	
56	XTBSD40P30000	J	Screw, x5	
57	XBPSD40P12JS0	J	Screw	
58	LANGH0137CEFW	J	Angle	
59	PSLDM4439CEFW	J	Shield	AX
60	*Not Available*	–	AC Inlet	—

OPTICS MECHANISM PARTS / TEILE FÜR OPTIKMECHANISMUS 光学机械装置的零件分解图



OPTICS MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
8	CCHSK0051CEK1	J	Optics Mecha Ass'y	FU
8-1	LCHSK0053CEKZ	J	Optics Mecha Base	BF
8-2	LCHSK0054CEKZ	J	Optics Mecha Cover	BF
8-3	CCHSK0052CE01	J	R/B Adjusting Plate, x2	BK
8-4	LANGG1134CEFW	J	G Adjusting Plate	AM
8-5	LANGG1135CEFW	J	Slide Plate, x3	AG
8-6	LANGG1136CEFW	J	Guide Plate	AZ
8-7	LANGG1140CEFW	J	Flap-W	
8-8	LANGG1141CEFW	J	Flap-B	
8-9	LANGG1142CEFW	J	Flap-R	
8-10	LANGG1143CEFW	J	Flap-G	AG
8-11	LHLDW1046CEZZ	J	Wire Holder	AA
8-12	LHLDW1087CEZZ	J	Wire Holder	AB
8-13	LHLDZ2045CEKZ	J	Holder, for Projection Lens	BA
8-14	LHLDZ3052CEFW	J	Angle for Fan	AX
8-15	LHLDZ9128CEZZ	J	Holder, for Prizm	BQ
8-16	MSPRP1181CEFW	J	Mirror Fitting Spring, x29	AD
8-17	MSPRP1182CEFW	J	Polarizing Plate Fitting Spring, x3	AE
8-18	MSPRP1183CEFW	J	Lens Fitting Spring, x4	AD
8-19	NFANR0074CE00	J	Cooling Fan (Exhaust), x1	BB
8-20	NFANR0076CE00	J	Cooling Fan (Intake), x2	AT
8-21	PDUC-0062CEKZ	J	Duct Holder (Upper)	BB
8-22	PDUC-0063CEKZ	J	Duct Holder (Left)	AZ
8-23	PDUC-0064CEKZ	J	Duct Holder (Right)	AZ
8-24	PFiLW0158CEZZ	J	Polarizer Input Filter-R	BB
8-25	PFiLW0159CEZZ	J	Polarizer Input Filter-G	BB
8-26	PFiLW0160CEZZ	J	Polarizer Input Filter-B	BB
8-27	PLNS-0112CEZZ	J	Projection Lens	CP
8-28	PLNS-0113CEZZ	J	Condenser Lens-R/G, x2	BC
8-29	PLNS-0115CEZZ	J	Condenser Lens-B	BA
8-30	PLNS-0116CEZZ	J	Relay Lens-2	AY
8-31	PLNS-0117CEZZ	J	Relay Lens-1	AZ
8-32	PLNS-0118CEZZ	J	Flyeye Lens (Incoming-Light)	BV
8-33	PLNS-0119CEZZ	J	Flyeye Lens (Outgoing-Light) with IR Cut Filter	BS
8-34	PMiR-0165CEZZ	J	Cross Prizm (with Base)	CK
8-35	PMiR-0166CEZZ	J	Mirror-2 (B/G Reflector)	BE
8-36	PMiR-0167CEZZ	J	Mirror-3 (G Reflector)	BC
8-37	PMiR-0168CEZZ	J	Mirror-1 (W AL Reflector)	AS
8-38	PMiR-0169CEZZ	J	Mirror-4 (B AL Reflector)	AM
8-39	PMiR-0181CEZZ	J	Mirror-5 (R Reflector)	BA
8-40	PMiR-0177CEZZ	J	Mirror-6(B Reflector)	BA
8-41	PSLDP3024CEFW	J	Light Shielding Plate-A	AP
8-42	PSLDP3031CEFW	J	Heat Shielding Plate-A	AX
8-43	PSLDP3032CEFW	J	Heat Shielding Plate-B	AT
8-44	PSLDP3033CEFW	J	Heat Shielding Plate-C	AN
8-45	PSLDP3035CEFW	J	Light Shielding Plate-B	AL
8-46	PSLDP3036CEFW	J	Light Shielding Plate-C	AK
8-47	PSLDP3038CEFW	J	Lignt Shielding Plate (LCD Module Unit, Green)	AR
8-48	RLCDP0042CEZZ	J	LCD Module Unit, Red	CY
8-49	RLCDP0043CEZZ	J	LCD Module Unit, Green	CY
8-50	RLCDP0044CEZZ	J	LCD Module Unit, Blue	CY
8-51	RMOTM1062GEZZ	J	Motor	AP
8-52	LANGK0642CEFW	J	Angle, for Motor	
8-53	NBRGP0004CEZZ	J	Shift Screw Holder	AF
8-54	NGERK0002KKZZ	J	Gear	
8-55	NSFTT0049CEFW	J	Shift Screw	
8-56	NSFTT0050CEFW	J	Guide B	
⚠ 8-57	CBiM-0001CE25	J	Bimetal Ass'y	AS
⚠ 8-57-1	RBiM-0001CEZZ	J	Bimetal	AN
8-57-2	QCNW-4714CEZZ	J	Connecting Wire	AH
8-58	PCOVN3002CEFW	J	Cover, Top	AL
8-59	PCOVN9004CE00	J	Cover, Bottom	AL
8-60	HPNC-0425CE00	J	Punching	AL
8-61	RH-HZ0048CEZZ	J	Thermistor	AN
8-62	LANGT3259CEFW	J	Angle, for Output Unit	AN
8-63	LANGT9516CEFW	J	Stopper	AS
8-64	PSPAZ0192CEKZ	J	Spacer, for Bimetal	AF
8-65	LANGG1146CEFW	J	Flap-R2	AK
8-66	LANGG1145CEFW	J	Plate, for Fan	AL
8-67	PFiLW0176CEZZ	J	Pre-Polarizing Plate	BB
8-68	PSLDP3040CEFW	J	Light Shielding Plate-D	AU
8-69	RH-HZ0051CEZZ	J	Thermistor	AN
8-70	QELCK0002CEZZ	J	Stroke Switch x2	
8-71	QELCK0001KKZZ	J	Linear Position Sensor	
8-72	XSPSF17P04000	J	Screw M1.7-4, x6	AA
8-73	XSSSF20P05000	J	Screw M2-5, x9	AA
8-74	XBPSD20P10000	J	Screw M2-10, x4	AA
8-75	LX-BZ3372CEFF	J	Screw M2.6-6, x4	
8-76	LX-BZ3370CEFW	J	Screw M2.6-6, x18	
8-77	XBPSD30P04J00	J	Screw M3-4, x2	AA
8-78	XEPSD30DP0600	J	Screw M3-6, x6	
8-79	LX-BZ3266CEFD	J	Screw M3-6, x7	AA
8-80	LX-BZ3367CEFD	J	Screw M3-6	AB
8-81	LX-BZ3049GEFD	J	Screw M3-10, x9	AA
8-82	XBSSD30P10000	J	Screw M3-10, x3	AA
8-83	XEPSD40P10000	J	Screw M4-10, x4	AA
8-84	XBBSD40P12000	J	Screw M4-12, x4	AB
8-85	XBPSD40P12JS0	J	Screw M4-12, x16	AA
8-86	XEPSF40P12000	J	Screw M4-12, x4	AA
8-87	LX-BZ3382CEFD	J	Screw M2.6-5, x6	AB
8-88	XEPSD20P04000	J	Screw M2-4, x2	AA
8-89	XEPSD20P08000	J	Screw M3-8, x2	AA
8-90	XEPSD30P010000	J	Screw M3-10, x2	AA
8-91	XWSHK0001KKZZ	J	Washer 4.1W9-0.5CW, x3	
8-92	XNHUM50-08100	J	Flat Washer	
8-93	PMIR-0182CEZZ	J	G Trimming Filter	

Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

ACCESSORIES

⚠	QACCB5020CEZZ	J	AC Cord (For U.K.)	
⚠	QACCL3022CEZZ	J	AC Cord (For Australia and NewZealand)	
⚠	QACCV4002CEZZ	J	AC Cord (For Europe)	
	QCNW-4422CEZZ	J	VGA Cable	BH
	QCNW-4620CEZZ	J	Mouse Control Cable	BC
	QCNW-4754CEZZ	J	Mouse Control Cable for IBM PS/2	AX
	QCNW-4755CEZZ	J	Mouse Control Cable for Mac	AX
	QPLGJ0107GEZZ	J	Plug	AR
	QPLGJ1511CEZZ	J	Mac/VGA Adaptor	AX
	RRMCG1357CESA	J	Wireless Mouse R/C Unit	
	TINS-6155CEZZ	J	Operation Manual (For U.K. and Europe)	
	TINS-6206CEZZ	J	Operation Manual (For Australia and NewZealand)	

ACCESSORIES (NOT REPLACEMENT ITEM)

TCADZ3093CEZZ	–	Register Card (For Europe)	—
TGANE0050TAZZ	–	Guarantee Card (For Australia and NewZealand)	—
UBATU0025GEZZ	–	Four AA Type Dry Batteries	—

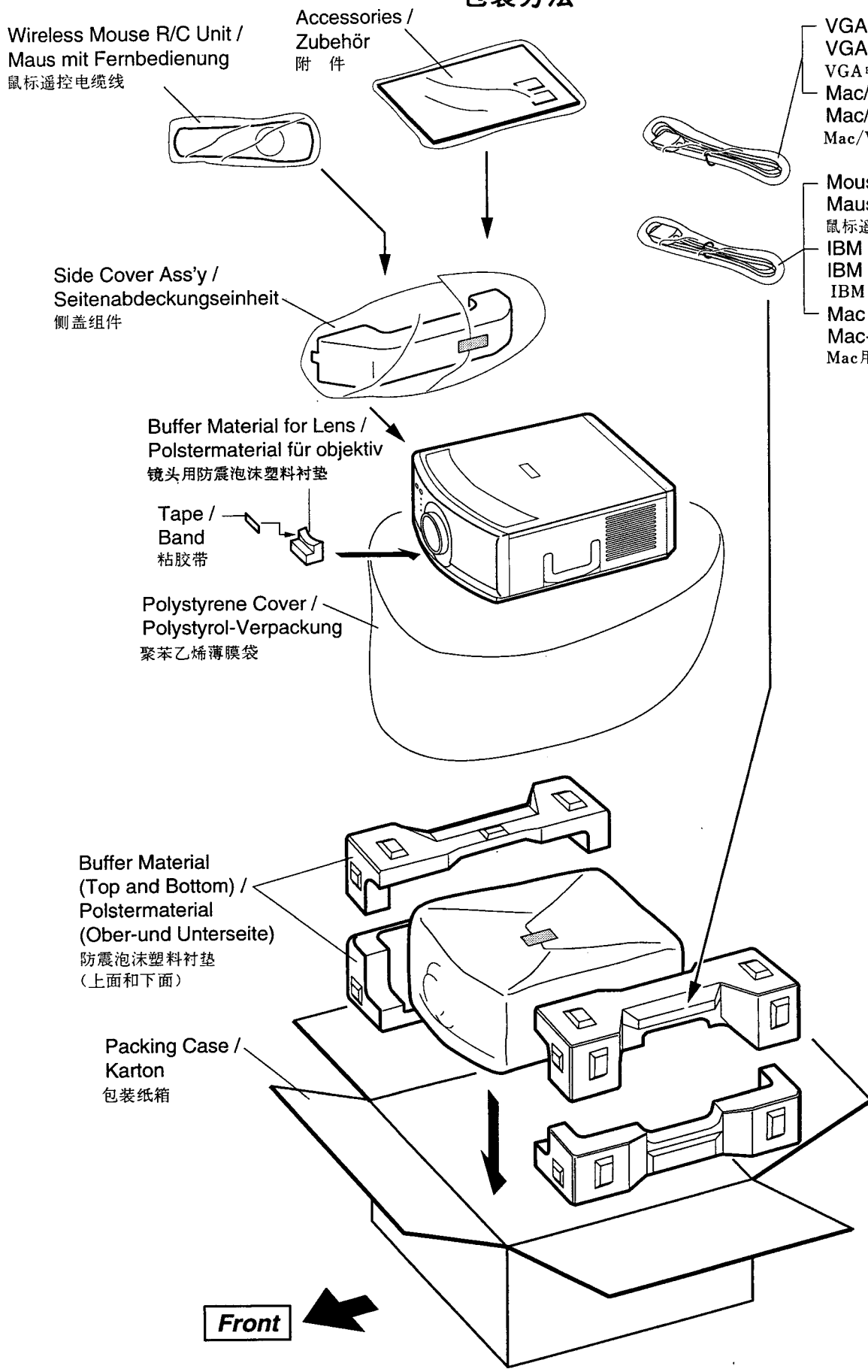
PACKING PARTS
(NOT REPLACEMENT ITEM)

SPAKC5103CEZZ	–	Packing Case	—
SPAKP0604CEZZ	–	Polystyrene Cover	—
SPAKX2785CEZZ	–	Buffer Material (Top and Bottom)	—
SSAKA0263CEZZ	–	Polyethylene Bag for Operation Manual and Cards	—
TLABK0001TAZZ	–	Number Card	—
TLABN0157CEZZ	–	Serial Number Label	—
SPAKX2765CEZZ	–	Buffer Material for Lens	—

SERVICE JIGS
(Use for servicing)

9DASPN-XGNV1U	J	Spanna, 3.2mm (Off-set Cam Adjustment)	BL
9EQDRiVER-NV1A	J	Off-set Driver (Fucus Adjustment)	CA
9EQLNC-XGNV1U	J	Hexagon Wrench, 2mm (Convergence Adjustment)	BA
QCNW-4767CEZZ	J	Extension Cable 30-pin Signal (TN)— PC Terminal (TN), Signal (VN)— Video Board (VS),	BT
QCNW-4782CEZZ	J	Extension Cable 140-pin Signal (CA)—Output (CA)	BZ

PACKING OF THE SET / VERPACKEN DES GERÄTS
包装方法



SHARP SERVICE MANUAL SERVICE-ANLEITUNG

S68T4XG-NV1UE

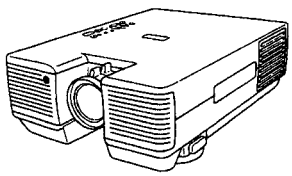
SUPPLEMENT ERGÄNZUNG

(REVISED/ÜBERARBEITET)

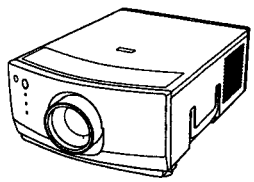
PAL/SECAM/NTSC SYSTEM

LCD PROJECTOR

LCD PROJEKTOR



XG-NV1U/E



XG-E1200U
XG-SV1E

MODELS
MODELLE

XG-NV1U/E
XG-E1200U
XG-SV1E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

CONTENTS

In the previously issued SUPPLEMENT, the lamp operating hours were wrongly listed. This REVISED has been issued to cover their corrections.

Page

• LAMP OPERATING HOURS 2

INHALT

In der zuvor veröffentlichten ERGÄNZUNG wurden die Lampen-Betriebsstunden falsch aufgelistet. Diese ÜBERARBEITET dient zur korrektur dieser Fehler.

Seite

• LAMPEN-BETRIEBSSTUNDEN 2

SHARP CORPORATION

LAMP OPERATING HOURS

ITEM / MODEL	ALARM	STOP
XG-NV1U/E	1,900 (Hours)	2,000 (Hours)
XG-E1200U	1,400 (Hours)	1,500 (Hours)
XG-SV1E	1,400 (Hours)	1,500 (Hours)

LAMPEN-BETRIEBSSTUNDEN

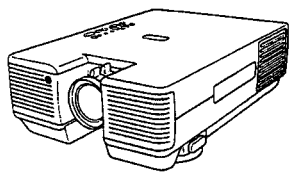
GEGENSTAND / MODELL	ALARM	STOPP
XG-NV1U/E	1,900 (Stunden)	2,000 (Stunden)
XG-E1200U	1,400 (Stunden)	1,500 (Stunden)
XG-SV1E	1,400 (Stunden)	1,500 (Stunden)

SHARP SERVICE MANUAL
SERVICE-ANLEITUNG

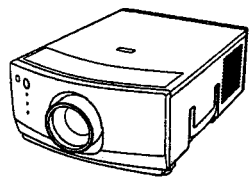
S18K9XG-NV1U/

SUPPLEMENT
ERGÄNZUNG

PAL/SECAM/NTSC SYSTEM
LCD PROJECTOR
LCD PROJEKTOR



XG-NV1U/E



XG-E1200U
XG-SV1E

MODELS
MODELLE

XG-NV1U/E
XG-E1200U
XG-SV1E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

CONTENTS — **INHALT**

Page

This SUPPLEMENT manual covers the following instructions that are missing in the previously issued Service Manuals.

- RESETTING THE LAMP TIMER 2

Seite

Diese ERGÄNZUNG umfaßt die folgenden fehlenden Verfahrensschritte in den zuvor veröffentlichten Werkstatthandbüchern.

- RÜCKSTELLUNG DES LAMPEN-ZEITGEBER .. 4

SHARP CORPORATION

RESETTING THE LAMP TIMER
(XG-NV1U/E, XG-E1200U, XG-SV1E)

Outline:

The lamps for the XG-NV1U/E, XG-E1200U, and XG-SV1E have a service life of about 2000 hours. The projector automatically calculates the hours of lamp operation. When the service life of the lamp has expired, an OSD prompt alerts the user that a lamp change is necessary.

Function:

1. The unit functions as follows at 1900 hours and 2000 hours of lamp operation.

a) **When the lamps operating time exceed 1900 hours:**
- When the lamp's 1900 hour point is reached, the word "Lamp" is displayed (flashing in yellow) on the screen for one minute. The Lamp LED on the control panel changes from green to red.
- After the 1900 hour point has passed, when the projector is turned on the word "Lamp" is displayed (flashing in yellow) on the screen for one minute. The Lamp LED on the control panel lights up in red.
- The "Lamp" on screen prompt will disappear if the menu is selected. However, the "Lamp" on screen prompt will reappear for one minute if the menu mode is exited within one minute.

b) **When the lamps operating time exceeds 2000 hours:**
- When the lamp's 2000 hour point is reached, the word "Lamp" is displayed (flashing in red) on the screen for five minutes. After this 5 minute period the projector will automatically turn off. The Lamp LED stays red (it turns red at the 1900 minute point).
- After the 2000 hour point has passed, when the projector is turned on the word "Lamp" is displayed (flashing in red) on the screen for five minutes. The Lamp LED on the control panel lights up in red. After this 5 minute period the projector will automatically turn off. The lamp LED is red.
- The "Lamp" on screen prompt will disappear if the menu is selected. However, the "Lamp" on screen prompt will reappear for five minutes if the menu mode is exited within five minutes. The projector will then turn off automatically.

NOTE: The projector can be turned on three times after the 2000 hour point. After the third time the projector will not turn on. At this time the lamp must be replaced and the lamp timer reset.

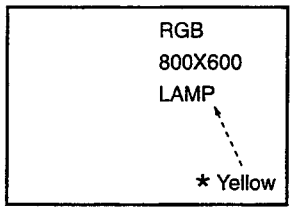
2. Resetting the lamp timer

a) **Install new lamp.**

b) **Press and hold down the "ADJ.▼", "ADJ.▶", and "ENTER" buttons as you turn on the main power switch (located above the AC inlet). The projector will automatically turn on displaying "0H" (zero hours) for a short time. This will indicate that the lamp timer has been reset to zero hours.**

RESETTING THE LAMP TIMER (Continued)

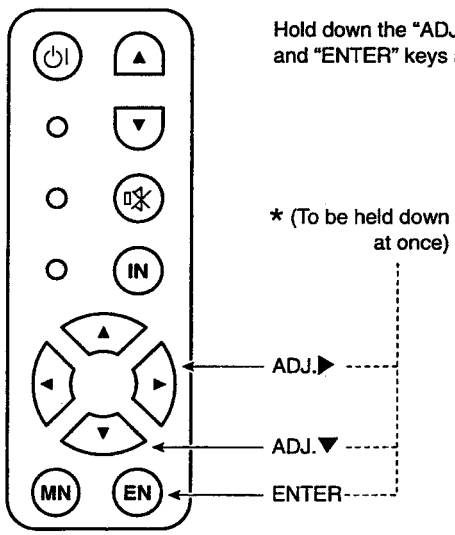
1. Warning after the 1900-hour point



* (Displayed in red after the 2000-hour point)

2. Resetting the lamp operating hour counter

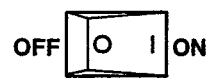
- **XG-NV1U/E**



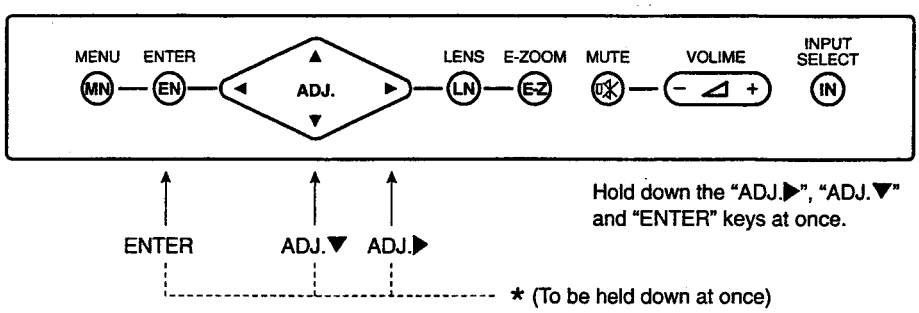
Hold down the "ADJ.▶", "ADJ.▼" and "ENTER" keys at once.

* (To be held down at once)

Turn on the main power switch (located above the AC inlet)



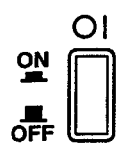
- **XG-E1200U, XG-SV1E**



Hold down the "ADJ.▶", "ADJ.▼" and "ENTER" keys at once.

* (To be held down at once)

Turn on the main power switch (located above the AC inlet)



- Now the unit is turned on and the lamp operating hour counter is reset to zero. "0H" appears on the screen.

RÜCKSTELLUNG DES LAMPENTIMERS
(XG-NV1U/E, XG-E1200U und XG-SV1E)

Überblick:

Die Lampen für die Modelle XG-NV1U/E, XG-E1200U, XG-SV1E haben eine Nutzungsdauer von ca. 2000 Betriebsstunden. Der Projektor zählt die Lampen-Betriebsstnden automatisch. Wenn die Nutzungsdauer der Lampe erreicht wurde, wird der Benutzer via einer Anzeige aufgefordert, die Lampe auszuwechseln.

Funktion:

1. Das Gerät funktioniert wie folgt, wenn die Lampenbenutzungsdauer 1900 und 2000 Betriebsstunden erreicht hat.

a) Wenn die Gesamtbetriebszeit 1900 Betriebsstunden überschritten hat:

- Wenn die Lampe 1900 Betriebsstunden erreicht hat, erscheint "Lamp" (blinkt gelb) in der Anzeige für 1 min. Die LED im Bedienfeld wechselt von Grün auf Rot.
- Wenn die 1900 Betriebsstunden erreicht werden, während das Gerät benutzt wird, erscheint "Lamp" in der Anzeige und verbleibt für 1 min in der Anzeige (blinkt gelb). Die LED im Bedienfeld leuchtet rot auf.
- "Lamp" in der Anzeige verschwindet, wenn das Menü abgerufen wird. Diese Anzeige erscheint jedoch erneut für 1 min in der Anzeigs, wenn die Menüanzeige innerhalb einer min verlassen wird.

b) Wenn die Gesamtbetriebszeit 2000 Betriebsstunden überschritten hat:

- Wenn die 2000 Betriebsstunden erreicht werden, erscheint "Lamp" und verbleibt für 5 min in der Anzeige (blink rot). Nach 5 min schaltet sich das Gerät automatisch aus. Die LED (rot) leuchtet seit dem Erreichen der 1900 Betriebsstunden-Position.
- Wenn die 2000 Betriebsstunden erreicht werden, während das Gerät benutzt wird, erscheint "Lamp" und verbleibt für 5 min in der Anzeige (blinkt rot). Die LED (rot) am Bedienfeld leuchtet auf. Nach 5 min wird der proojektor automatisch ausgeschaltet. Die rote Lampe verbleibt weiterhin aktiviert.
- "Lamp" in der Anzeige verschwindet, wenn das Menü abgerufen wird. Diese Anzeige erscheint jedoch erneut für 5 min in der Anzeige, wenn die Menüanzeige innerhalb von 5 min verlassen wird. Der Projektor schaltet sich danach automatisch aus.

HINWEIS: Nach Erreichen der 2000 Betriebsstunden-Position läßt sich das Gerät noch dreimal einschalten. Danach reagiert der Schalter nicht mehr. Zu diesem Zeitpunkt muß die Lampe ausgewechselt und der Lampentimer zurückgestellt werden.

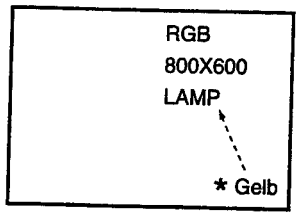
2. Rückstellen des Lampentimers

a) Eine neue Lampe einsetzen.

b) Die Tasten "ADJ.▼", "ADJ,▶" und "ENTER" betätigen und gedrückt halten, während der Hauptschalter (über dem Netzeingang) betätigt wird. Der Projektor zeigt dann für kurze Zeit "0H" (Null Stunden) an. Diese Anzeige ist die Bestätigung, daß der Lampentimer auf Stunde Null zurückgestellt wurde.

RÜCKSTELLUNG DES LAMPENTIMERS (Fortgesetzt)

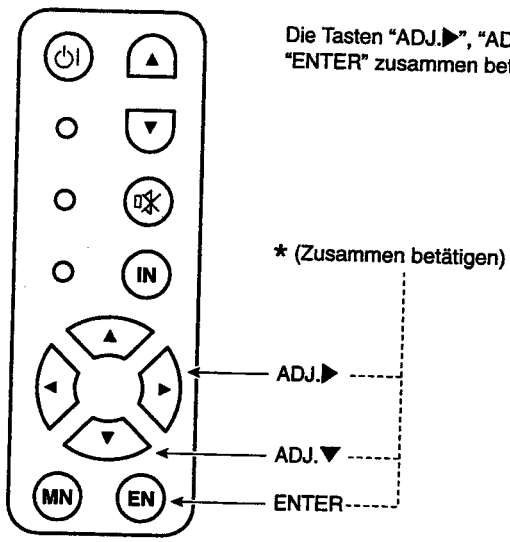
1. Warnung nach Erreichen der 1900 Betriebsstunden-Position



* (Nach Erreichen der 2000 Betriebsstunden-Position in Rot angezeigt)

2. Rückstellung des Lampen-Betriebsstundenzählers

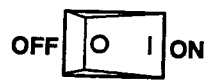
- **XG-NV1U/E**



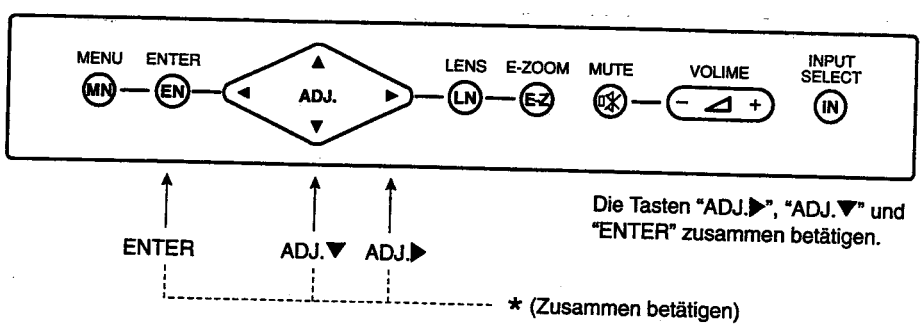
Die Tasten "ADJ.▶", "ADJ.▼" und "ENTER" zusammen betätigen.

* (Zusammen betätigen)

Das Gerät Hauptgeräteschalter einschalten (befindet sich über dem Netzeingang)

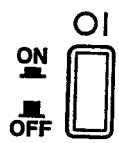


- **XG-E1200U, XG-SV1E**



Die Tasten "ADJ.▶", "ADJ.▼" und "ENTER" zusammen betätigen.

Das Gerät Hauptgeräteschalter einschalten (befindet sich über dem Netzeingang)



- Das Gerät ist somit aktiviert und der Lampen-Betriebsstundenzähler auf Null zurückgestellt. Am Bildschirm Wird "0H" angezeigt.